Waterworks (Continued)

Md., Hyattsville—Washington Suburban Sanitary Dist having plans prepared by R. B. Morse, engr., 324 North Charles St., Baltimore, for impounding waters of Patuxent, Little Patuxent and Middle Patuxent Rivers to develop water supply. Project includes construction rapid sand filtration plant, laying conduit and pipe lines for delivery by gravity flow to both gravity and first high service zones of Dist. of Columbia, Laurel Twp., Camp Meade and Washington Suburban Sanitary Dist., including Hyattsville, Riverdale, Brentwood, Mt. Rainer and Bladensburg Twps. About $2,500,000.

Md., Myersville—Company will be organized here to build water system, to include standpipe with 40,000 gal. daily capacity. Address Mayor.

Minn., Foley—City election about Mar. 1 to vote on $40,000 bonds to build water and sewerage systems, to include 65,000 gal. steel tank and 1000 gal. pump and motor. Chute & Bradley, St. Cloud, engrs.

Mont., Baker—City having preliminary plans and surveys made by Burns & McDonnell, engrs., 400 Interstate Bldg., Kansas City, Mo., for improving water-works and sewerage systems.

Mo., Carrollton—Water, Light & Transit Co. plans to install modern water filtering system and make other improvements to property. S. J. Jones, Carroll Exch. Bank Bldg., pres.

Okla., Ada—City plans election soon to vote on $85,000 bonds to extend water-works. Former election defeated. Benham Eng. Co., 1300 Colcord Bldg., Oklahoma, engr. Noted Feb. 13.

Okla., Altus—City had plans prepared by Benham Eng. Co., engrs., 1300 Colcord Bldg., Oklahoma, for extensions to water system, including construction of storage reservoir and main by-pass dams with 6 mi. earth canal. About $100,000.

Okla., Carnegie—City defeated $12,000 bonds to improve and extend water-works. Noted Jan. 30.

Okla., Cement—City voted $20,000 bonds to build water-works.

Okla., Enid—City plans election to vote on $350,000 bonds to build water and sewer systems. Black & Veatch, 507 Interstate Bldg., Kansas City, Mo., engrs.

Okla., Guthrie—City having preliminary plans prepared by Black & Veatch, engrs., 507 Interstate Bldg., Kansas City, Mo., building complete water-works system. About $250,000 available for project.

Okla., Henrietta—City having plans and surveys made by Burns & McDonnell, engrs., 400 Interstate Bldg., Kansas City, Mo., for improving water-works system. About $250,000.

Okla., Madill—City having plans prepared by Benham Eng. Co., engrs., Colcord Bldg., Oklahoma, for improvements to water-works. Bonds for $60,000 voted for project.

Okla., Pauls Valley—City having plans prepared for extension to water-works and sewerage system. About $25,000. W. E. Moore, 1006 Campbell Bldg., Oklahoma, engr.

Okla., Perry—City plans to expend $100,000 to improve water-works and electric light plant.

Okla., Poteau—City rejected bids building water-works system. Work will be readvertised. About $95,000. A. W. Lindsey, clk. Noted Dec. 20.

Okla., Tusla—City soon receives bids building 150 ft. rein.-con. stack, also installing boilers and 12,000,000 gal. pump and new water supply intake system. R. E. Cuvian, comr. water-works.

Colo., Denver—See "Excavation and Dredging."

Ariz., Florence—Town voted $60,000 bonds for water-works system and $20,000 for electric power plant. Noted Jan. 30.

N. B., St. John—City plans to install additional water works at Lake Fitzgerald. About $15,000.

Ont., Ottawa—City solicitor recommended that Bd. Control extend water facilities to all householders. About $20,000. A. F. McCallum, City Hall, engr.

Alta., Edmonton—Waterworks Dept., petitioned City Comrs. to appropriate $69,250 to install 4 steel filters and new water basin.

B. C., Vancouver—City having preliminary surveys made to determine best location for providing water storage in Seymour Valley for supplying Vancouver water-works system. About $10,000. F. L. Fellowes, city engr.

BIDS DESIRED

N. J., Jersey City—Until Mar. 25, by city, furnishing and laying 39,590 ft. 72 in. riveted steel pipe line between Boonton Reservoir and west entrance of Watchung Tunnel. About $1,500,000. C. Potts, 30 Church St., New York City, consultg. engr.

O., Akron—Until Feb. 28, by H. S. Morse, dir. pub. serv., Delaware Bldg., furnishing 2 horizontal steam turbine driven, direct connected, centrifugal boiler feed water pumps, normal capacity 65 to 75 g.p.m. against total head 462 ft.; steam to be supplied at approximately 175 lb. pressure and 100 degrees F. superheat; advertised in this issue.

Mich., Wyandotte—Until Mar. 18, by E. C. Bryan, city clk., furnishing and installing 2 low lift motor driven centrifugal pumping units (one 2100 gal. per minute and other 4200 gal.); also for steam driven pumping unit, 5,000,000 gal. capacity; horizontal, cross compound crank and fly wheel pumping engine. R. W. Pratt, Hippodrome Bldg., Cleveland, O., engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

N. Y., Poughkeepsie—State Hospital Comn., Capitol, Albany, received bids, Feb. 11, building intake crib in Hudson River, thence to filters, installing new filter, changing water main and reservoir at Hudson River State Hospital here, from C. R. Simpson, 90 West St., $57,888; H. E. Fox Constr. Co., 81 East 125th St., $58,000; New York Sewage Disposal Co., 37 East 28th St., $62,997. All contractors of New York City. Noted Jan. 30.

★**O., Maple Heights**—Village let contract building water pipe line in Dunham Rd. and Orchard Ave., to W. B. Smith, 10933 Detroit Ave., Cleveland; $5381. Work involves 2600 ft. 6 in. steel pipe. Noted Jan. 16.

★**Mich., Detroit**—City let contract furnishing 2000 tons 48 in. c.i. water pipe, to U. S. Cast Iron Pipe Co., 122 South Michigan Blvd., Chicago, $61.60 per ton; also 6 48 in. gate valves, to Flower Valve Co., Clayton and Parkinson Sts., $2625 each. Noted Feb. 13.

★**Mich., Detroit**—City let contract furnishing 1000 tons 6 in. c.i. pipe and 1000 tons 8 in. c.i. pipe, to J. B. Clow & Son, Harrison St. Bridge, Chicago, $61.60 per ton. Noted Jan. 23.

★**Cal., Los Angeles**—E. Firth, 346 South Bway., will install pump and wood tank and lay 3 mi. 2-6 in. O. D. pipe in tract at 99th, 108th, Main and Figueroa Sts. Work will be done by day labor.

Sewers

PROPOSED WORK

Mass., Reading—State Legislature, Boston, petitioned to build sewerage system here. Cost between $300,000 and $500,000.

Conn., New Haven—See "Miscellaneous."

N. J., Butler—Town having preliminary plans prepared installing sewerage system.

N. J., Montclair—City plans to build storm sewer in Norwood Ave. Cost between $32,000 and $35,000.

Pa., Blairsville—See "Buildings."

Pa., Pittsburgh—Council passed ordinance to rebuild old and build new 9, 12 and 15 in. vitr. sewers, in Methy, Jackson and Wyandotte Sts., Parody Way and Soho Playgrounds. About $30,000. N. S. Sprague, city engr.

Wis., Chilton—City having plans prepared by J. Donahue, engr., Sheboygan, building 3000 ft. 6 in. sewer mains and 3000 ft. ¾ in. water connections.

Wis., La Crosse—City plans to build 2 mi. trunk sewer during year. About $50,000. G. P. Bradish, City Hall, engr.

Wis., West Allis—City soon receives bids laying sewers in Pullen Ave. from 64th Ave. to Fair Grounds, 74th Ave. from Jersey St. to Honey Creek, Jersey St. from 54th to 57th Ave., Burnham St. from 54th to 57th Ave., South Burnham St. from 60th to 150th Ave. W., thence across railway tracks through alley west of 60th Ave. to Mitchell St., thence east on Mitchell St. to 60th Ave. Work involves 5501 ft. 10-42 in. pipe, 215 ft. 12 in. and 644 ft. 10 in. laterals, 13 manholes and 34 catchbasins. E. G. Orbert, city hall, engr.

Ia., Malvern—City receives bids about Apr. 1, installing 16,000-18,000 ft. 8 and 10 in. sanitary sewers. Archer & Stevens, 609 New England Bldg., Kansas City, Mo., engrs.

Ia., Iowa City—City having plans prepared for trunk sewer along west bank of Iowa River. About $20,000. C. T. Day, Iowa City, engr. Noted Dec. 19.

Mont., Baker—See "Water-works."

Tex., Denton—City election Mar. 4 to vote on $100,000 bonds to extend sewers.

Okla., Ada—City defeated $10,000 bond issue to extend sewers. Benham Eng. Co., Colcord Bldg., Oklahoma, engrs. Noted Jan. 2.

Okla., Cement—City voted $25,000 bonds to build sewerage system.

Idaho, Nampa—City plans to build 8—15 in. mains and submains in 85 blocks of streets in North and South side of city, 1800 ft. 15 in. vitr. pipe trunkline mains, also 700,000 gal. disposal plant. Work involves flush tanks, manholes and pump to handle 200,000 gal. per min. L. R. Cook, City Hall, engr. Noted Feb. 6.

Okla., Enid—See "Water-Works."

Ariz., Phoenix—City will ask State Legislature to enact law permitting tile drainage system to be substituted for proposed pumping drainage system; $100,000 bonds have been sold for project. L. B. Hitchcock, city engr.

Wash., Spokane—City postponed project building down town intercepting sewer in Main Ave. from Lincoln to Stevens Sts., Stevens St. from Main to 1st Aves., 1st Ave. from Stevens to Howards Sts., Riverside Ave. from Stevens to Bernard Sts., Bernar St. from Riverside to Sprague Aves., Washington St. from Riverside to Sprague Aves., etc. About $250,000. A. D. Butler, city engr. Noted Jan. 23.

Ore., Hillsboro—City plans to install sewerage and drainage systems in northern and eastern sections of city.

Ont., Simcoe—See "Streets & Roads."

B. C., Vancouver—City plans to build following sewers: Beach Ave. extension, cost $25,000; 25th Ave. lateral sewer, $6720; outfall sewer for serving Hastings, Pender, Carrall and Columbia Sts., $5120; St. Georges St., from 15th to 16th Aves., $1660; Raymour Ave. sewer from Clark Dr. to Union St., $140,000; branch sewer in Cassiar St., Hastings Townsite, to relieve area between Renfrew and Slocan Sts., as far as Hastings St., $103,000; diversion of sewage from Commercial Dr. at Powell St. to connect with Clark Dr. interceptor, $28,000. F. L. Fellowes, city engr.

BIDS DESIRED

Mich., Detroit—Until Feb. 27, by J. A. Martin, comr. dept. purchases & supplies, Real Estate Exch. Bldg., furnishing and delivering f.o.b. cars on sidings to be designated by Dept. of Purchases & Supplies, vitr. sewer crocks, elbows and Y's of various sizes.

Cal., Seal Beach—Until Feb. 27, by A. Dyson, city clk., building sewerage system, involving 49,000 ft. 6-18 in. pipe, 76 manholes, Imhoff tank, 3 pumps, etc. About $40,000. Olmsted & Gillelen, 1112 Hollingsworth Bldg., Los Angeles, engrs.

Ont., Hamilton—See "Miscellaneous."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. Y., Syracuse**—Syracuse Intercepting Sewer Bd. let contract building Divs. 3, 4 and 5 of Onondaga Creek Impvt. and main intercepting sewer, to J. Young, Bastable Blk., $543,327. Project includes 2 mi. creek improvement and 1.3 mi. intercepting sewer and involves 111,500 cu.yd. excav. and 18,000 cu.yd. concrete. Noted Feb. 13.

O., Akron—Dept. Pub. Serv. received bids building main trunk sewer in Sewer Dist. No. 4; lowest 3 were F. A. Downs Constr. Co., vitr. segmental block, $180,943; monolithic concrete, $185,901; rein.-con. pipe, $187,772; brick pipe, $189,312; Donnelly, McKeon & Stevens, vitr. segmental block, $182,172; brick, $208,442; W. McDowell & Sons Co., vitr. segmental block, $185,284; brick, $193,987.

Sewers (Continued)

Mich., Ford (Wyandotte P. O.)—G. K. Mollno, village clk., received bids Feb. 6 extending sewerage system and replacing present outlet, from G. R. Cooke, Penobscot Bldg., Detroit, $101,887; T. C. Brooks & Son, Jackson, $110,386; G. Pontarelli, Chicago, $114,449. Work involves trenching, laying pipe and backfilling complete sewerage system, involving 2022 ft. 24—33 in. concrete pipe, 49,663 ft. 8—22 in. vitr. pipe and 400 ft. 12 in. concrete outlet pipe to replace present outlet, 154 manholes, 212 catch basins, 7 lamp holes, 290 ft. c. i. pipe. Noted Jan. 30.

Bridges

PROPOSED WORK

Mass., Springfield — Springfield Special Bridge Comn., will soon submit plans for bridge over Connecticut River to connect Springfield and West Springfield. About $2,000,000; cost to be borne by city, Hampden Co. and West Springfield Twp.

N. J., Newark—Essex Co. (Newark) and Hudson Co. (Jersey City) plan to paint bridges over Passaic and Hackensack Rivers. About $40,000. F. A. Reimer, engr.

N. J., Newark—Essex Co., (Newark), and Hudson Co., (Jersey City), plan joint appropriation for preliminary surveys, estimates, etc., for construction of bridge over Newark Bay between here and Bayonne. F. P. Reimer, co. engr. of former county and J. J. Wasser, engr. of latter.

N. J., Newark—Essex Co., (Newark), and Morris Co., (Morristown), having plans prepared rebuilding Columbus and Hanover Cook bridges over Passaic River. About $70,000. F. P. Reimer, Court House, Newark, co. engr.

Md., Cumberland—Comrs. Allegany Co., plan to build 2 steel span bridges, concrete sub-structure, on 2 road crossings over Town Creek. About $12,000. D. P. La Fevre, 3rd National Bank Bldg., engr.

W. Va., Parkersburg—Comrs. Wood Co. (Parkersburg), and Pleasant Co. (St. Marys), plan to build 65 ft. concrete bridge over Bull Creek between 2 counties. Cost between $20,000 and $40,000. J. W. Alexander, Parkersburg, engr.

O., Sharon—See "Railways."

Wis., Oshkosh—City having plans prepared by C. E. Parsons, engr., Jefferson, building concrete span bridge over Fox River on Washington St. About $100,000.

Wis., Reedsbury—City plans to build 2 span, rein.-con. bridge. About $25,000. H. E. French, City Hall, Baraboo, engr.

Wis., Superior—Comrs. Douglas Co. receive bids in May for following concrete bridges; Hanson Bridge over American River, five 20 ft. rein.-con. spans, cost, $18,000; Little Amnicon Bridge on Uncon St., one 24 ft. rein.-con span, $5000; pile bent bridge and several wooden bridges over ravines and timber trestles, $13,000.

Ia., Ft. Dodge—City plans to build concrete viaduct over Des Moines River. W. O. Tang, city clk.

Ia., Iowa City—Hardin Co. having plans prepared by B. Gardener, engr., building rein. con. bridge over Elk Run. C. Boylan, aud.

Mont., Butte—City plans to build 90 ft. rein.-con. bridge, 25 ft. wide, over Silver Bow Creek. About $10,000. W. H. Ellis, city engr.

Idaho, Nampa Ferry—State Highway Comn., Boise, soon receives bids building steel bridge over Snake River in Canyon Co. About $65,000.

Ore., Hood River—Hood River Co. having surveys made building bridge 150 ft. long over Indian Creek on Brookside Dr., and one 250 ft. long over Rail Creek, East Barrett Dist., also widening Neal Creek Rd. Total cost, $15,000. A. Crublshand, co. engr.

Ore., The Dalles—See "Streets & Roads."

B. C., Fernie—Dept. Pub. Wks., Victoria, soon lets contract building 250 ft. wooden highway bridge, 16 ft. wide, over Elk River consisting of 3 pile foundations, and 3 timber piers to carry one 119 ft. and one 102 ft. Howe truss spans, and involves 2000 lin.ft. wooden piling, 83,000 ft. B. M. fir, and 7 tons iron castings. About $15,000. A. E. Forman, Victoria, engr.

BIDS DESIRED

Conn., New Canaan—Until Feb. 28, by C. J. Bennett, comr. state highway dept., building 3 span rein.-con. T beam bridge over Blackberry River on Canaan-Lakeville Rd.

Conn., Thomaston—Until Feb. 28, by C. J. Bennett, comr., state highway dept., Hartford, building rein.-con. T beam bridge over Naugatuck River on Morris Rd.

W. Va., Lewisburg—Until Mar. 4, by Greenbrier Co., building concrete bridge over Wades Creek, on James River and Kanawha Pike, 1 mi. east of White Sulphur Springs. F. K. Rader, co. engr.; advertised in this issue.

N. D., Grand Forks—Until Feb. 25, by H. Anderson, aud. Grand Forks Co., building several wood, steel, and concrete bridges during 1919. About $40,000.

Okla., Holdenville—Until March 5th, by Hughes Co., building bridges in Dustin Twp. W. L. Bartlett, co. clk.

Cal., Eureka—Until Feb. 24, by State Highway Comn., Forum Bldg., Sacramento, building timber drawbridge, 712 ft. long, 21 ft. wide, with concrete trestle approaches, including movable span, tower and fenders complete, etc., over Eureka Slough, Humboldt Co. Work involves 902 cu.yd. rein.-con. for trestle deck, 112 cu.yd. concrete in abutments, 101.9 tons steel, 3360 lin.ft. concrete piling, etc. A. B. Fletcher, engr. Noted Jan. 23.

Ont., Ottawa—Until Apr. 16, by Dept. Pub. Wks., building steel highway bridge over Ottawa River, between Ottawa and Hull, Que., 234 ft. long, 41 ft. wide, having double track car line with 7 ft. sidewalk on each side. Work involves about 1000 cu.yd. concrete, 250 tons steel and 400 cu. yd. stone. About $150,000. D. Laphew, engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Pa., Laceyville—Supt. Pub. Grounds & Bldgs., Harrisburg, let contract building bridge here, to Whitaker & Diehl, Union Trust Bldg., Harrisburg. Work involves 1 new pier, facing pier No. 2 and abutments, ripraping new pier and also Piers 2 and 3, new bridge seats to be placed on new pier and abutments, etc.; pier is 25 ft. to foundation and involves 850 cu.yd. rein.-con. and 12½ tons steel. About $36,715.

★Pa., Selinsgrove—Snyder Co. (Middleburg), let contract building 190 ft. bridge over Penn's Creek, near here, 18 ft. wide, consisting of two 82 ft. spans, solid barrel arch with special precast rail, involving 1300 cu.yd. rein. con., 25 tons steel, 1000 cu.yd. fill and 3 cofferdams, to Whittaker & Diehl, Union Trust Bldg., Harrisburg. About $32,895.

★Ky., Louisville—Comrs. Jefferson Co. let contract building steel frame with creosoted wood block floor bridge over Salt River to Capitol Constr. Co., Ruggery Bldg., Columbus, O. About $38,000.

★Wis., Oshkosh—City let contract building bascule bridge over Fox River, on Light St., 200 to 300 ft. long, to Scherzer Rolling Lift Bridge Co., 5454 Everett Ave., Chicago. About $200,000. Noted Jan. 16.

★Minn., Duluth—Comrs. St. Louis Co. let contract building 30 steel bridges, I-beam type, 22 ft. span, 16 ft. roadway, to Wausau Iron & Bridge Co., Wausau, Wis.

Structural Steel

PROPOSED WORK

O., Sharon—See "Railways."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★N. Y., New York—See "Industrial Works."

Reinforced Concrete

PROPOSED WORK

Md., Cumberland—See "Industrial Works."

S. C., Charleston—See "Industrial Works."

O., Sharon—See "Railways."

Ill., Chicago—See "Buildings."

Okla., Tulsa—See "Waterworks."

Cal., Los Angeles—See "Buildings."

BIDS DESIRED

Cal., Eureka—See "Bridges."

Cal., Quincy—See "Buildings."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★N. Y., New York—See "Industrial Works."

★N. J., Elizabeth—See "Industrial Works."

★Md., Canton (Baltimore P. O.)—See "Miscellaneous."

Streets and Roads

PROPOSED WORK

Mass., Boston—City had plans prepared widening Centre St. from South to Spring Sts., grading and laying asphalt and bituminous pavement, concrete base, 6300 ft. long, 80 ft. wide. About $250,000. A. F. Bates, engr. highway division.

Mass., Medford (Boston P. O.)—State Legislature, Boston, petitioned to authorize Metropolitan Park Comn., 18 Tremont St., Boston, to build road to connect Middlesex Falls Parkway and Mystic Valley Parkway in Medford and Winchester Twps. Cost to exceed $10,000.

Mass., Norton—State Legislature, Boston, petitioned to authorize State Highway Comn., to complete 4 mi. of Main St. in Norton and Easton Twps., to join state road going through Stoughton and Brockton Twps.

Mass., Revere (Boston P. O.)—State Legislature, Boston, petitioned to direct Metropolitan Park Comn., 18 Tremont St., Boston, to acquire lands to extend Winthrop P'kway to junction of Revere St. and Sewall Ave., Revere and Winthrop Twps., Winthrop Twp. to construct seawall and roadway over land now owned by state at same point and to expend $310,000 for same. A. Walsworth, mayor.

Mass., Salem—Comrs. Essex Co. applied to State Legislature, Boston, for authority to build highway from Turk's Head Inn, Rockland, (Plymouth Co.) over Marshes to Atlantic Rd., Gloucester. Cost to exceed $10,000.

Conn., Milford—City plans to build Beach Rd from railroad station to Walnut Beach, concrete, 10,000 ft. long. About $40,000.

Conn., New Haven—City plans to issue $300,000 bonds to construct permanent pavements on various streets. F. L. Ford, city engr.

Conn., New Haven—City soon lets contract improving various streets, involving 33,000 sq.ft. tar and cement sidewalks, 2800 sq.ft. driveways, 15 cu.yd. concrete coping, 11,000 sq.ft sidewalk (top dress) and 1100 sq.ft. driveway (top dress.) F. L. Ford, city engr.

Conn., Waterbury—City plans to issue $500,000 bonds to pave various streets. R. A. Cairns, city engr.

N. Y., Jordan—Village plans to build 1 mi. tarvia macadam street, 16 ft. wide. About $17,500. C. L. Meech, pres.

N. Y., Oswego—City plans to issue $150,000 bonds to improve Mitchell St. Rd., Bridge and Erie Sts. J. F. Flanigan, city engr.

New Jersey—State Highway Dept., State House, Trenton, appropriated $275,000 for road work in Middlesex Co., $150,000 for work in Morris Co. and $75,000 for work in Monmouth Co. W. G. Thompson, engr.

N. J., Bridgeton—Comrs. Cumberland Co. receive bids in March, grading and surfacing with gravel, 2.3 mi. Port Norris-Mauricetown Rd., 30 ft. wide, involving 9000 cu.yd. gravel and 8500 cu.yd. sand and loam. About $25,000. W. M. Sharp, engr.

N. J., Burlington—Burlington Co. plans to grade and pave 3½ mi. Burlington-Florence Rd., 18 ft. wide. About $36,000. Work involves 15,870 sq.yd waterbound macadam, 6 in. deep and 2600 cu.yd. excav. J. Logan, Mt. Holly, engr.

Streets and Roads (Continued)

N. J., Hoboken—City having revised plans prepared paving 4th St. from Hudson to River Sts., 11th St. from Clinton to Madison Sts., 14th St. from Madison to Jackson Sts. About $100,000. J. O. Whittemore, city engr.

N. J., Long Branch—City soon receives bids paving Ocean Ave., probably brick. E. E. Throckmorton, city engr.

N. J., Newark—Bd. Com. will ask Bd. Freeholders Essex Co. to issue $605,000 bonds to improve roads. F. A. Reimer, co. engr.

N. J., Newark—Bd. Comrs. considering paving Clinton Ave. from West Newark branch of Pennsylvania R. R. to Chadwick Ave., Springfield Ave. from Morris Ave. to city line, South St. from Pacific St. to New Jersey R. R. Ave., South Orange Ave. from Springfield Ave. to South 9th St., Wilson Ave. from Ferry to London Sts., Sussex Ave. from High to Summit Sts. M. R. Sherrard, city engr.

N. J., Newark—City plans to open portion of Haynes Ave. from Meadow Rd., northerly, to East Peddie St. M. R. Sherrard, city engr.

N. J., Trenton—Mercer Co. (Trenton), and Monmouth Co. (Freehold), having surveys made by H. F. Harris, engr., Trenton, and G. D. Cooper, engr., Red Bank, for regrading and surfacing with gravel, 4½ mi. Old York Rd. from Allentown to Heightstown, 30 ft. wide.

Md., Baltimore—Bd. Awards soon receives bids repaving, recurbing and regrading 6260 ft. Lanvale St. from Payson St. to Druid Hill Ave., 750 ft. Payson St. from Lanvale to Mosher Sts., 790 ft. Lafayette Ave. from Fulton Ave. to Payson St., 690 ft. Edmondson Ave. from Fremont to Clinton Aves., 660 ft. Brune St. from Franklin to Harlem Aves., 1520 ft. Clinton Ave. from Franklin to Myrtle Aves., 1465 ft. Argyle Ave. from Lanvale to Sewell Sts., 785 ft. McElderry St. from Milton to Linwood Aves., 1200 ft. McElderry St. from Wolfe to Chester Sts., 1180 ft. Madison St. from Patterson Park Ave. to Luzerne St., 1700 ft. Collington Ave. from Ashland Ave. to Biddle St., 1700 ft. Lakewood Ave. from Baltimore to Monument Sts., 650 ft. Jefferson St. from Milton to Lakewood Aves., 650 ft. Orleans St. from Milton to Lakewood Aves., 2250 ft. Randall St. from Hanover to Covington Sts., 680 ft. William St. from Clement to Randall Sts., 740 ft. Battery Ave. from Gittings to Randall Sts., 1460 ft. Covington St. from Fort Ave. to Wells St., 530 ft. Covington St. from Gittings to Falsum Sts., 430 ft. Clement St. from Light to Williams Sts., 960 ft. Grindall St. from William to Covington Sts., 1163 ft. Clement St. from Riverside Ave. to Key Highway, 350 ft. Poultney St. from Light to Patapsco Sts., 325 ft. Barclay St. from Chase to Biddle Sts., 1190 ft. Forrest St. from Monument to Eager Sts., 325 ft. Forrest St. from Chase to Biddle Sts., 970 ft. Ashland Ave. from McKim to Aisquith Sts., 1515 ft. Somerset St. from Madison to Biddle Sts., 40 ft. wide, sheet asphalt on 6 in. concrete base with armored concrete curbing; also 3000 ft. Jordan Alley, from Biddle St. to North Ave., 1520 ft. Camel Alley from Madison to Cathedral Sts., 220 ft. Brexton St. from Eager to Cathedral Sts., 15-20 ft. wide, cement and concrete. R. K. Compton, ch. engr.

Md., Baltimore—City having plans prepared by Carrere & Hastings, consulting engrs., 52 Vanderbilt Ave., New York City, extending North Howard St. 4 blocks to Mt. Royal Sta., 1600 ft. long, 66 ft. wide, 40 ft. from curb to curb. Plans include grading, concrete curbing and paving with sheet asphalt on concrete foundation.

Md., Baltimore—City Comrs. for Opening Sts. plan to extend Mosher St. from Payson St. to Gwynns Falls Pkway., 4320 ft long, 40 ft. wide, including grading, armored concrete curbing and sheet asphalt pavement on 6 in. concrete base; project also involves lowering bed of Pennsylvania R.R. tracks (Baltimore & Potomac Div.) and building overhead crossing. City will pay $10,000 and railroad between $15,000 and $20,000. R. M. Cooksey, city engr.; G. R. Sinnickson, supt. railroad, Baltimore Div.

Md., Baltimore—City Comn. for Opening Sts. plans to resurface Woodbrook Ave. from Fulton to North Aves., Druid Hill Ave. from Fulton to North Aves., Francis St. from Fulton to North Aves., Lynbrook Ave. from Pennsylvania to Woodbrook Aves., Ruskin Ave. from Pennsylvania Ave. to Evergreen Terrace, Avalon Ave. from Parkwood Ave. to Evergreen Terrace, Edgemont Ave. from Parkwood Ave. to Evergreen Terrace, Clifton Ave. from Pennsylvania Ave. to Francis St., Falls Rd. from 36th St. to point 600 ft. south, Wellington Ave. from Chestnut St. to Elm Ave., 34th St. from Chestnut St. to Cedar Ave., 35th St. from Chestnut St. to Elm Ave., Barclay St. from North Ave. to 25th St., sheet asphalt over cobbles. J. M. McCummings, engr.

Md., Baltimore—City Paving Comn. having plans prepared by R. K. Compton, ch. engr., repaving Lancaster St. from President St. to Bway., Dock St. from Block to Caroline Sts., Point St. from Philpot to Docks Sts., Fairmount Ave. from Wolfe to Lakewood Sts., brick or re-cut granite blocks; Columbia Ave. from Greene to Fremont Sts., Lexington St. from Guilford to Calvert Sts., Charles St. from Read to Chase Sts., Bway. from Fleet to Thames Sts., Madison Ave. from Orchard to North Aves., Winder St. from Hanover to Light Sts., Light St. from Cross to Wells Sts., Pratt St. from Parkin to Carey Sts., Exeter St. from Lombard St. to Eastern Ave., Stiles St. from East Falls to Central Aves. and Little Gough St. from Central Ave. to Granby St., sheet asphalt on 6 in. concrete base.

Md., Cumberland—Comrs. Allegany Co. receive bids in March or April, paving and grading 4 mi. Cresaptown Rd. from here to Cresaptown, 20 ft. wide with 5 ft. dirt shoulders, concrete pavement on concrete base, topping 8 in. center, 6 in. edges. About $175,000. Cost to be borne by county with state aid. D. P. LaFevre, 3rd Natl. Bank Bldg., engr.

Md., Frederick—Comrs. Frederick Co. soon let contract rebuilding 1.99 mi. Harmony Rd. between Middletown and Harmony, 14 ft. wide, with 5 ft. dirt shoulders, macadam or concrete pavement on concrete base. About $50,000. J. N. Mackell, 601 Garrett Bldg., Baltimore, engr.

W. Va., Bluefield—City plans to pave Price St. from Bluefield Ave. to Rogers St., concrete. B. G. Scott, city engr.

W. Va., Clarksburg—Harrison Co. plans to pave Northwestern Turnpike from Wolf Summit to Ten Mile Dist. line, Clarksburg-Fairmont Pike, Clarksburg Western Pike and Johnson Fork Rd., total length 9½ mi., 20 ft. wide G. M. Harbert, co. engr.

W. Va., Martinsburg—City soon receives bids paving about 20 blocks with asphalt macadam. Cost $70,000. G. Sparrow, engr.

W. Va., Morgantown—Monongalia Co., Cass Dist., will vote Mar. 29, on $300,000 bonds for road improvements. W. S. Downs, co. engr.

N. C., East Spencer—City plans to issue $50,000 bonds for improving streets and schools.

S. C., Spartanburg—Comrs. Spartanburg Co. soon let contract paving 2 mi. Appalachian Highway, 1.9 mi. Cedar Springs Rd., asphaltic concrete, brick or concrete; also grading and top soiling 9.5 mi. Blackstone Rd., 7 mi. Buncombe Rd. and 3 mi. Woodruff Bridge Rd. P. F. Patton, co. highway engr.

Ala., Attalla—City plans to build 1½ mi. pavement on sections of 3rd, 4th and 5th Sts.

Miss., Meadville—Franklin Co. plans to issue $100,000 bonds to build roads.

Miss., Moss Point—City plans to repair or rebuild 4 mi. hard surfaced streets. C. M. Farley, clk.

Miss., Senatobin—Tate Co. plans to issue $150,000 bonds to build 60 mi. gravel roads.

La., Abbeville—Police Jury Vermillion Parish plans election to vote on $300,000 bonds to build gravel roads in 8th Ward.

Ky., La Grange—Oldham Co. soon lets contract grading and ditching 2½ mi. road, 12 ft. wide, water bound macadam. About $18,000. P. Neal, La Grange, engr.

Ky., Louisville—Comrs. Jefferson Co. plan to build 3 mi. road, 16 ft. wide, rock asphalt and macadam. About $36,000. M. Deane, co. engr.

Ky., Shelbyville—City receives bids in spring paving about 1000 ft. Main St. from 6th to 8th Sts., 36 ft. wide, rein.-con., involving 3600 sq.yd. concrete 8 in. in center and 6 in. at curb, excavating present macadam street, etc. Cost, $12,000.

O., Bellaire—City plans to curb, pave and build sidewalks on 6000 ft. West 23rd St. 20 ft. wide, crushed slag. About $21,000. W. J. McClain, engr.

O., Cincinnati—Comrs. Hamilton Co. plan to repair Cleves and Warsaw Pike; Hillside Ave., Asbury Rd., Blue Rock Pike, Union Cemetery Rd., Hamilton-Cleves Pike, Princeton Pike, Camargo Pike and Springdale Rd., brick and macadam. About $60,000.

O., Columbus—City plans to grade, drain, curb and pave ¾ mi. High St. from Oakland Ave. to northern corporation limits, asphalt, 60 ft. wide, and ¼ mi. Bellevue Ave. from Hawkes to Glenwood Ave., 32 ft. wide, asphalt or brick. H. A. Maetzel, city engr.

O., Columbus—City plans to pave Chestnut St. from High to 4th Sts., Elmwood Ave. from Donaldson St. to Livingston Ave., Stanley Ave. from Parsons Ave. to 22nd St., and alley north of Bryden Rd. from Fairwood Ave. to Rhoades St. H. Maetzel, city engr.

O., Van Wert—Comrs. Van Wert Co. plan to build 3 mi. road between Van Wert and Delphos on route of Lincoln Highway. About $300,000.

Ind., Evansville—City having plans prepared by J. D. Saunders, city engr., for improving Bray Ave. from Lincoln Ave. to Williams St.; Adams Ave. from Grand to Kentucky Aves.; Willard Ave. from Blackford to Powell Aves.; 7th St. from Locust to Gum Sts.

Ind., Indianapolis—Comrs. Marion Co. plan to grade and pave 2.74 mi. Hensley Rd., Franklin Twp., 14 ft. wide, involving 22,504 sq.yd. waterbound macadam and 11,000 cu.yd. earth excav. About $31,610; also 3 mi. Brookville Rd., 2.58 mi. English Ave., 0.75 mi. Southeastern Ave., 1 mi. Prospect St., 3 mi. 30th St. and 3 mi., Keystone Ave., concrete or brick. J. Griffith, co. engr.

Ind., Indianapolis—Marion Co. plans to grade, pave and bridge 7 mi. Allisonville Pike (3 sections); 2.35 mi. Michigan Rd., south of here; 2.25 mi. 38th St. E. all brick or concrete; grade, pave and construct culverts on 1.12 mi. Churchman Pike, 18 ft. wide, involving 11,827 sq.yd. concrete and 11,450 cu.yd. earth excav., cost $37,675; 2 mi. Washington-Pike 14 ft. wide, involving 16,427 sq.yd. gravel, and 9750 cu.yd. earth excav., $15,100. J. Griffith, co. engr.

Michigan—State will hold election Apr. 6, to vote on $50,000,000 bonds to build trunk highways throughout state. Address Highway Comm., Lansing.

Mich., Detroit—City soon lets contract paving:

St. Aubin Ave. from end of paving north of Newton Ave. to Euclid Ave., sheet asphalt, 28 ft. wide, involving 3320 cu.yd. excav., 2509 lin.ft. curbstone, 3975.5 sq.yd. sheet asphalt on 6 in. concrete base, 67.6 cu.yd. concrete under and behind curb and 143 lin.ft. retaining stone;

Blaine Ave. from west line of Dexter Blvd. to east line of Radford Ave., asphaltic concrete, 26 ft. wide, involving 2023 cu.yd. excav., 2436 lin.ft. curbstone, 3789 sq.yd. asphaltic concrete on 6 in. concrete base, 70 cu.yd. concrete under and behind curb and 194 lin.ft. retaining stone;

"T" alley between 2nd, Woodward, Bethune and Pallister Aves., 20 ft. wide, involving 596 cu.yd. excav., 1977.8 sq.yd. 1-course concrete and 797 lin.ft. 2 x 6 ft. retaining plank;

5th alley between Wilson, Byron, Hazelwood and Taylor Aves., 18 ft. wide, involving 677 cu.yd. excav., 1656.4 sq.yd. 1 course concrete, 1532 lin.ft. 2 x 6 ft. retaining plank and 34 lin.ft. retaining stone;

"East and West" alley between 12th St., Holden Ave., Ferry Park and West Grand Blvd., 18 ft. wide, involving 346 cu.yd. excav., 1073 sq.yd. 1 course concrete, 1055 lin.ft. 2 x 6 ft. retaining plank and 18 lin. ft. retaining stone;

"North and South" alley first west of Woodward Ave. from 4th to Hancock Sts., 15 ft. wide, involving 191 cu.yd. excav., 590 sq.yd. 1 course concrete, 589 lin.ft. 2 x 6 ft. retaining plank and 20 lin.ft. retaining stone;

"North and South" alley between Hamilton Blvd., 3rd St., Virginia Park and Seward Ave., 20 ft. wide, involving 535 cu. yd. excav., 1765.7 sq.yd. 1-course concrete and 1333 lin.ft. 2 x 6 ft. retaining plank;

Streets and Roads (Continued)

"North and South" alley between 2nd, 3rd Sts., Glynn Court and Calvert Ave., 19 ft. wide, involving 507 cu.yd. excav., 1731.2 sq.yd. 1-course concrete and 1617 lin.ft. 2 x 6 ft. retaining plank;

"L" alley between Byron Ave., Hamilton Blvd., Taylor and Clairmont Aves., 18 ft. wide, involving 347 cu.yd. excav., 1151.3 sq.yd. 1-course concrete and 1087 lin.ft. 2 x 6 ft. retaining plank;

"East and West" alley between 2nd, 3rd, Colburn and Antoinette Sts., 20 ft. wide, involving 310 cu.yd. excav., 915.5 sq.yd. 1-course concrete and 796 lin. ft. 2 x 6 ft. retaining plank;

Alley between Orleans, Dequindre Sts., Lafayette Blvd. and Monroe Ave., 15 and 20 ft. wide, involving 216 cu.yd. excav., 574 sq.yd. 1 course concrete and 418 lin.ft. 2 x 6 ft. retaining plank;

Alley between Brush St., Oakland Ave., Josephine and Owen Aves., 17.5 ft. wide, involving 528 cu.yd. excav., 1607.3 sq.yd. 1-course concrete and 1612 lin.ft. 2 x 6 ft. retaining plank. C. E. Hubbell, city engr.

Mich., Detroit—Dept. Pub. Wks. soon receives bids paving and curbing Linwood Ave., from Joy to Calvert Aves., 30 and 35 ft. wide, less single track; about $53,570; Charlevoix St., from Beniteau St. to Detroit Terminal R.R., 26 ft. wide, $27,824; Roby St. from end of present pavement to Medbury Ave., 26 ft. wide, $3900; David Ave. from Crane to Rohns Aves., 26 ft. wide, $5610; Crane Ave., from Forest Ave. to Moffat St., 26 ft. wide, $24,700; Burnett Ave., from Van Dyke to Maxwell Aves., 26 ft. wide, $7640; Linden St., from alley west of Harrison Ave. to Vermont St., 26 ft. wide, $7650; Delmar Ave., from Lynn to Caniff Sts., 26 ft. wide, $9660; Beals Ave., from Charlevoix to Mack Aves., 22 ft wide, $19,930; Newport Ave., from Waterloo to Charlevoix St., 26 ft. wide, $12,970; Tireman Ave., from Epworth Blvd. to Livernois Ave., 26 ft. wide, $20,020; Sheridan Ave., from Frederick St. to Harper Ave., 26 ft. wide, $53,590; Laura Ave., from McClellan to Pennsylvania Aves., 26 ft. wide, $9430; Navahoe and Algonquin Aves., from Avondale to Essex Aves., 26 ft. wide, $11,520 and $12,480 respectively; Barker St., from McClellan to Cooper Sts., 26 ft. wide, 5940; Elsa Ave., from McClellan St. to Pennsylvania Ave., 26 ft. wide, $9200; Canfield Ave., from Van Dyke to Maxwell Aves., 26 ft. wide, $7850; Davidson Ave. from Herman to 12th Sts., 24 ft. wide, $15,870; all sheet asphalt on concrete foundation. Also paving following alleys: "L" alley between Byron, Hamilton, Taylor and Clairmont Aves.; between Brush St., Oakland, Josephine and Owen Aves.; "T" alley between Duboise and Chene Sts., Lyman and Milwaukee Ave., $6700; "T" alley between Sheridan, Townsend, Kercheval and Waterloo Aves.; "T" alley between 14th St., Wabash Ave., Magnolia and Linden Sts.; "T" alley between Rivard, Russell and Hancock Sts. and Warren Ave.; "T" alley between Beechwood, Firwood and Seebaldt Aves. and Allendale St.; "T" alley between Ironwood, Beechwood, Oregon and Vancouver Aves.; "T" alley between Vinewood, Taft, Scovel and Grand River Aves.; "T" alley between Commonwealth, Trumbull, Calumet and Canfield Aves.; "T" alley between 14th, 15th, Poplar and Buchanan Sts.; "T" alley between Commonwealth, Trumbull, Putnam and Merrick Aves.; "T" alley between Riopelle, Orleans, Clinton and Mullett Sts.; east and west alley between 12th, 14th St., Delaware and Seward Aves.; all alleys between Linwood, La Salle and La Mothe Aves. and La Salle Gardens, S.; 1st alley north of and parallel to Standley Ave. from 6th St. easterly to North South alley; between Grand River, Winslow and McGraw Aves.; "L" alley between Dunedin and 12th St., Bethune Ave. and La Salle Gardens, S.; "L" alley between Commonwealth, Trumbull, Kirby and Hudson Aves.; "L" alley between Trumbull and Lincoln Aves., Brainard and Selden Sts.; "L" alley between 3rd St., Hamilton, Gladstone and Hazlewood Aves.; "T" alley between 2nd and Cass Aves., Charlotte and Peterboro Sts.; "T" alley between Commonwealth, Trumbull, Hudson and Stanley Aves.; "H" alley between National and Trumbull Aves., Elm and Ash Sts.; east and west alley between Beechwood, Grand River, Spokane and Maplewood Aves.; north and south alley between 1st alley west of Woodward from Forest to Hancock Aves.; north and south alley between Vinewood Ave., West Grand Blvd., E St. and Michigan Ave.; north and south alley between Garland Ave., St. Clair St., Charlevoix and Goethe Aves.; north and south alley between Avery, Commonwealth, Forest and Hancock Aves.; north and south alley between John R. and Brush Sts., Baltimore and Milwaukee Aves.; north and south alley, east of Chene St., between Chene St., Grandy, Piquette and Trombley Aves., also east and west alley, $3100; 1st alley west of and parallel to Avery Ave., from Hancock to Warren Ave.; north and south alley between Cameron and Richmond Aves. from 330 ft. south of Custer to Custer St., $2250, 1 course concrete, 18-20 ft. wide. H. H. Esselstyn, comr.

Mich., Port Huron—D. D. Worcester, mgr. bd. rd. comrs., St. Clair Co., Port Huron, soon lets contract grading, draining and surfacing 8 mi. Assessment Rd. No. 8, gravel, and 10½ mi. Rd. No. 10, gravel, concrete, brick or penetration road, 16 ft. wide.

Ill., East St. Louis—Bd. Local Impvts. soon lets contract paving 1500 ft. State St. from 33rd to 37th Sts., concrete, 42 ft. wide. About $32,000. E. F. Harper, city engr.

Ill., Moline—City plans to pave streets and alleys near Government tract here, about 1400 ft. long, 60 ft. wide. L. Paten, city engr.

Wis., Kenosha—City plans to pave Middle, Ridge, Division, Charles, North Fremont, Julius and Wisconsin Sts., South Hownand, South Howland, Durkee and Howe Aves., South Sheridan Rd. and Park Row. P. J. Hurtgen, city engr.

Wis., Lancaster—Comrs. Grant Co. plan to grade, drain, surface and build culverts on Trunk Highway No. 28, Dubuque Rd. About $27,000. F. W. Balsley, Madison, engr.

Wis., Plymouth—City plans to pave South, Reed, Selma and Main Sts., and Western and Hein Aves.

Wis., Racine—City plans to pave following streets: Carlisle St. from St. Patrick St. to Rapids Dr., cost, $26,175, sheet asphalt; Osborne St. from Kinzie to Graceland Sts., $18,855; Grange St. from Wright St. to St. Paul Ry., $26,430; Prospect St. from Erie to Marquette Sts., $13,760; 17th St. from Wisconsin to Holborn Sts., $18,242; Albert St. from Forest to Summit Sts., $20,430; Yout St. from Michigan to La Salle Sts., $27,109, Yout St. from La Salle to Douglas Sts., $20,363; Milwaukee St. from State to High Sts., $41,592; Asylum St. from 20th St. to West Blvd., $45,174; Lake Ave. from 2nd to 5th Sts., $15,993, all brick on concrete; 10th St. from Wisconsin to Center Sts., $11,134; Pearl St. from 10th to 11th Sts., $3893; 11th St. from Pearl to Washington Sts., $1613; Hilker Pl. from 10th to 11th Sts., $4128; 8th St. from Lake Ave. to Center St., $18,314; 9th St. from Lake Ave. to Center St., $16,424, all asphalt concrete; Howland St. from West 6th to Clayton Sts., $9995, asphalt macadam; 7th St. from Main to Grand Sts., $9840, brick on macadam. P. H. Conolly, engr.

Wis., Superior—City plans to pave Weeks Ave. between 18th and 21st Sts., concrete. M. G. Buckley, clk.

Wis., Superior—City soon lets contract paving 7 blocks Lamborn Ave. between 3rd and Main Sts. W. B. Banks, City Hall, engr.

Wis., Superior—City soon receives bids paving Tower Ave. between 28th and 58th Sts., concrete. W. B. Banks, City Hall, engr.

Wis., Superior—Comrs. Douglas Co. will receive bids in May for following road work: Central State Rd., at Solon Springs, 4940 cu.yd. excav., 8 cu.yd. concrete culverts, 2000 cu.yd. gravel surfacing; Dobie Rd., Hawthorne Twp., 4946 cu.yd. excav., 600 lin.ft. 4 in. tile; Spaulding Ave., Parkland Twp., 6715 cu.yd. excav., 110 cu.yd. concrete culverts, 1260 ft. guard rail; Brule Rd., Brule Twp., 1120 cu.yd. gravel surface, 845 cu.yd. trench excav.; Ashland Rd., Brule Twp., 1200 cu.yd. gravel surface, 563 cu.yd. trench excav., 2120 cu.yd. gravel; Rossiter Ave., South Range Twp., 955 cu.yd. trench excav., 7955 sq.yd. waterbound macadam; Lakeside Rd., Lakeside Twp., 8915 cu.yd. excav., 19 cu.yd. concrete culverts; Highland Rd., Brule Twp., 3000 cu.yd. excav., 16 cu.yd., concrete culverts; Black River Rd., Superior Twp., 9000 cu.yd. excav., 35 cu.yd. concrete culverts, 400 lin.ft. guard fence, 500 ft. 4 in. tile. Total cost, including bridges, $85,000.

Ia., Elliott—City receives bids about latter part of March for 30,000 sq.yd. paving and 12,500 ft. curb and gutter. T. S. De Lay, Creston, engr.

Ia., Malvern—City receives bids about Apr. 1 paving approximately 50 blocks, brick. Archer & Stevens, 609 New England Bldg., Kansas City, Mo., engrs.

Minn., Duluth—City plans to expend $2,000,000 for paving, curbing and guttering various streets during year. Bids will be received about Apr. 1. B. Farrell, st. comr. L. A. Ayres, City Hall, engr.

Minn., Grand Rapids—City plans to expend $40,000 for repaving streets. G. Wagner, City Hall, engr.

Minn., Marshall—City had surveys made for 2½ mi. paving to be laid this season. O. H. Sterk, engr.

Kan., Wichita—Sedgwick Co. receives bids about May 1, paving 12½ mi. South Lawrence Rd., brick. M. Roseberry, co. engr.

Neb., Fairbury—City plans to pave 4th, D and E Sts. and alleys, total length 6000 ft., 26-40 ft. wide. About $75,000.

Neb., Lexington—City soon lets contract paving with 3 in. brick, asphalt filler, 8 blocks Main St., 50 ft. wide. About $80,000. Work involves 20,200 sq.yd. vertical fibre brick on 5 in. gravel concrete base. J. C. McNamara, North Platte, engr.

Neb., Lincoln—City soon receives bids repaving 27th St., asphaltic concrete over old brick; paving Worthington Ave., sheet asphalt; Starr and 33rd Sts., asphaltic concrete; repaving Dist. No. 66; paving Dists. Nos. 405, 403 and 409, 25-40 ft. wide. About $36,000. Work involves 850 sq.yd. asphalt, 215 sq.yd. concrete, 15,800 sq.yd. asphaltic concrete, 8600 sq.yd. 5 in. concrete base, 275 lin.ft. concrete curbing and 5660 lin.ft. concrete curb and gutter. T. H. Berb, clk.

Montana—State Highway Comn., Helena, plans to grade 30 mi. Skalkaho Project in Ravalli, Granite and Deer Lodge Counties. About $105,000. Cost will be borne by Ravalli and Deer Lodge Counties, State Highway Comn. and U. S. Forest Service. P. D. Pratt, state highway engr.

Mont., Billings—City plans to pave 15,800 sq.yd. streets in Dist. No. 160, cost about $48,000; 8700 sq.yd. in Dist. No. 161, $29,000; also 5500 lin.ft. concrete curbing and 31,600 sq.ft. concrete sidewalk in new district not yet formed. E. M. Sneckenberger, Billings, engr.

Mont., Bozeman—City plans to build ½ mi. bitulithic road, 36 ft. wide; about $26,000. C. Widener, engr.

Mont., Butte—City plans to repave 3250 sq.yd. of Quartz St. About $10,000. W. H. Ellis, city engr.

Mont., Livingston—Comrs. Park Co. plan election about Apr. 14, to vote on $200,000 bond issue to build roads. Work to be done under state and Federal cooperation.

Tex., Denton—City election Mar. 4 to vote on $100,000 bonds to improve streets.

Tex., El Paso—City soon lets contract paving Davis St. from end of pavement to Union Depot to Overland St. C. Davis, mayor.

Tex., Fairfield—Comrs. Freestone Co. soon let contract surfacing and building drainage structures on 17.22 mi. Exall Highway from Fairfield to Streetman. J. J. White, Tyler, engr.

Tex., McKinney—City plans to build asphalt streets. About $120,000. Election will be held Mar. 12 to vote on $50,000 bonds to finance part of project. C. Schulf, engr.

Tex., Wichita Falls—City soon lets contract paving 12 blocks Elizabeth, Brook and Denver Aves., concrete. Work involves 9304 cu.yd. excav., 11,134 lin.ft. 6 in. concrete curb and 20,526 yds. concrete paving. L. C. Hinkley, city engr.

Okla., Frederick — City plans to build 1½ mi. road, crushed rock and asphalt. About $20,000 available for work. H. N. Naylor, secy., chamber commerce.

Streets and Roads (Continued)

Okla., Oklahoma—City passed resolution to pave Dewey Ave. from 19th to 23rd Sts.; Chickasaw Ave. from Bway. to Santa Fe tracks; Philips Ave. from 10th St. to Park Pl. and alley in block 52, University Addition. B. M. Hart, engr.

Okla., Stratford—City soon lets contract building roads and bridges. About $85,000. W. E. Moore, 1006 Exch. Bldg., Oklahoma, engr.

Okla., Wewoka—Comrs. Seminole Co. plan to build roads and bridges in Econtuchka Twp. to cost $50,000; Wolf Twp., $25,000; Konawa Twp., $25,000; Red Mound Twp., $38,000. W. E. Moore, 1006 Exch. Bldg., Oklahoma, engr.

Ariz., Tucson—Supervs. Pima Co., has accepted $15,000 loan to build road from Pinal Co. line to Dailys Camp, provided similar loan is granted to build road from Three C Ranch to county line. W. C. Goetz, engr.

Washington—State Senate, Olympia, appropriated $50,000 for widening, grading and improving portion of Olympia Highway between Duckabush and Brinnon.

Wash., Seattle—Bd. Pub. Wks. soon receives bids grading ½ mi. Holyoke Way, et al, 40 ft. wide. About $23,500. Work involves 30,000 cu.yd. grading. A. H. Dimock, city engr.

Wash., Seattle—Bd. Pub. Wks. plans to grade, fill and pave 1 mi. West Spokane St., et al, 34 ft. wide, brick, to cost $180,000 or concrete, $152,000. Work involves 150,000 cu.yd. fill and 22,300 sq.yd. paving. A. H. Dimock, city engr.

Wash., Waterville—Comrs. Douglas Co. receive bids in April improving 6½ mi. road between Withrow and Sunset Highway. About $30,000.

Wash., Yakima—City plans to pave South 3rd Ave. and portion of Bway. to city limits. About $46,000. W. C. Mainn, city engr.

Ore., Astoria—City plans to improve and build retaining wall and earth fills in Exchange St. from 13th to 14th Sts., grade, pave, curb and build side walks on Niagara Ave. from 8th to 11th Sts., redress pavement on 16th St. from Duane to Irving Sts., brick pavement from Grand to Irving Sts., pave Franklin St. from 2nd to 5th Sts., grade and pave 3rd St. from Klaskanine to Lexington Sts., 45th St. from Astor St. to public landing and 2nd St. from Niagara to Klatkanie Sts. G. T. McClean, city engr.

Ore., Marshfield—City considering paving Sherman Ave. from Washington to Delaware Sts., 52 ft. wide; also building sewer in Sherman Ave. E. K. Burton, city engr.

Ore., Oregon City—Clackamas Co. appropriated $40,000 to grade portion West Side Highway from Multnomah Co. line to West Linn. State Highway Comn. will pave road when graded and sufficiently settled.

Ore., Roseburg—Douglas Co. plans to build road, 60 ft. wide, in Dists. 20, 22 and 34, and one in Dists. 23 and 24; also open new road in Dist. 51. M. B. Germond, co. engr.

Ore., St. Helens—State Highway Comn., Yeon Bldg., Portland, retained several engineers to cross section Columbia Highway between Deer Island and Scappoose, Columbia Co., to obtain data preparatory to calling for bids on project. Noted Jan. 23.

Ore., Salem—Marion Co. plans to build hard surface roads through county beginning at point opposite Newberg, to Donald, Aurora, St. Paul, West Woodburn, Scotts Mills, Mt. Angel, Turner, Silverton, Stayton, Marion, Sublimity, Wheatland, Rosedale and Macleay. About $1,000,000.

Ore., The Dalles—City plans to pave Liberty, Union, 7th and 9th Sts.; also build bridge on 9th St. J. A. Garron, Northwestern Bank Bldg., Portland, city engr.

California—Representatives of various Chambers of Commerce, Automobile Clubs, Hotels, etc., will meet in Fresno, Feb. 28, to plan construction of 70 mi. highway from Merced to El Portal to provide new road into Yosemite Valley. Project includes grading, paving, building bridges, culverts, etc. About $1,700,000.

Cal., Bakersfield—Bd. Supervs. Kern Co., has $350,000 available as its share toward building section of valley to coast road from Lost Hills via Cholame Pass. Plans include concrete paving, concrete bridges, culverts, etc.

Cal., Bakersfield—City receives bids about Mar. 1, grading, paving, draining, etc., 3 mi. in 17th, Q and Cedar Sts., including concrete pavement with bitulithic surface on ½-in. concrete base, concrete curbing, cement sidewalks, concrete gutters, etc. About $75,000. Noted Jan. 2.

Cal., Fresno—Fresno Co. plans election in March to vote on $5,000,000 bonds to pave and grade 270 mi. concrete road throughout country. D. M. Barnwell, clk. Noted Dec. 26.

Cal., Fresno—C. Dillon, city clk., receives bids in April, grading, paving, draining, etc., Mariposa St. from M to Divisadera Sts., Franklin Ave., from Van Ness to Coast Aves., P St. from Tulare St. to Southern Pacific Ry. and Mono St. from P St. to Santa Fé Ry., 4 in. concrete pavement with 1½ in. bitulithic surface, concrete gutters, cement curbs, artificial stone sidewalks, etc. C. Murray, city engr.

Cal., Los Angeles—Bd. Supervs. Los Angeles Co. plan to pave 5½ mi. concrete road from Castiac to Ventura Co. line, 18 ft. wide. About $60,000. Work will be started after July 1. F. H. Joyner, Hall of Records, co. engr.

Cal., Madera—Bd. Superv. Madera Co. considering proposal made by owners United Farm Lands, Chowchilla Twp. About $225,000; $150,000 to be borne by land owners if county will pay remainder to build 20 mi. concrete road from Chowchilla to Pachea Pass Rd. thence 3 mi. through Merced Co. to Robertson Blvd.

Cal., Merced—City receives bids in March improving Alameda St., 2 blocks J St. and about 18 blocks of alleys, 4 in. concrete pavement, grading, concrete guttering, cement curbing, cement sidewalks, draining, etc. About $60,000. C. D. Martin, city engr.

Cal., Merced—Merced Co. having plans prepared building 14.2 mi. concrete highway from Merced to Madera Co. line and 8.98 mi. from Livingston via Center Camp Rd. Blewett Rd., etc. About $1,250,000 will be expended on road work in county. A. E. Crowell, co. surv. Noted Feb. 13.

Cal., Sacramento—City receives bids in March paving 13th St. from R to X Sts., 1½ in. asphalt on 4 in. concrete base, involving 1283 cu.yd. excav., 113,951 sq.ft. pavement; 14th St. from Q to X Sts., 1215 cu.yd. excav., 117,696 sq.ft. pavement; 16th St. from Q to X Sts., 582 cu.yd. excav., 117,696 sq.ft. pavement; P St. from 38th to 39th Sts., 384 cu.yd. excav., 11,954 sq.ft. pavement, 1276 sq.ft. sidewalk, 597 lin.ft. curbing and guttering; P St., from 2nd to 7th Sts., 180 cu.yd. excav., 61,280 sq.ft. pavement. F. C. Miller, city engr.

Cal., San Bernardino—Bd. Supervs. San Bernardino Co. directed county surveyor to prepare estimate for grading 2½ mi. road from Mohave to Seely Flat.

Cal., Santa Barbara—F. B. Taggart, city clk., receives bids in March paving, guttering, curbing and draining Yanonali St. between State and Anacapa Sts., 6-in. concrete pavement with 1½-in. Warranite surface, etc. A. B. Cook, city engr.

Ont., Barrie—Simcoe Co. Council plans to expend about $150,000 to build roads.

Ont., Brockville—Leeds and Grenville Counties receive bids in spring building various roads through counties. About $50,000. Address W. Richards, Brockville.

Ont., Cornwall—Glengarry, Stomont and Dundas Counties receive bids in spring repairing about 433 mi. county roads. About $250,000. Address A. I. McDonnel, Cornwall.

Ont., Perth—Lanark Co. receives bids in spring building various roads in county. About $100,000. W. A. Moore, clk.

Ont., Simcoe—Town plans to pave streets and build sewers. About $20,000. W. McCall, clk.

B. C., Vancouver—City plans to grade and rock 260 ft. roadway on Coal Harbor Causeway, 16 ft. wide, water bound macadam. About $12,000. F. L. Fellowes, City Hall, engr.

B. C., Vancouver—City plans to grade and rock various streets and lanes, cost about $267,000; repair rocked streets, $40,000; replace planked streets with rock, $208,000. F. L. Fellowes, City Hall, engr. Noted Sept. 5.

BIDS DESIRED

Connecticut—Until Feb. 28, by C. J. Bennett, comr., state highway dept., Hartford, building River Rd. from Avon to Farmington, 9938 ft. long, native stone; Groton-Poquonic Bridge Rd. Groton Twp., 13,933 ft. long, native stone; 7300 ft. Barnum Ave., hassam concrete, Warrenite, topeka or asphalt, Stratford Twp.; Waterbury-Thomaston Rd., 7258 ft. long, concrete or topeka on 6 in. concrete base; Clintonville Rd., North Haven Twp., 2950 ft. long, native stone.

N. Y., New York—Until Feb. 25, by F. L. Dowling, pres. Manhattan Boro., regulating and repaving 4th Ave., from 32d to 34th Sts and from Lexington to 4th Aves., 2nd hand granite block on sand foundation.

Md., Baltimore—Until Feb. 26, by Bd. Awards, resurfacing and curbing 1 block each of Boone St., Homewood, Oak Hill and Cecil Aves., between North Ave. and 20th St., sheet asphalt on cobbles, 40 ft. wide, each block 350 ft. long, cost, $35,000; also paving and curbing 1 block each, of Hillsdale, Norfolk, Ulman and Rock Rose Aves., between Reisterstown Rd. and Towanda Lane; Towanda Lane (16 ft. wide), from Hillsdale to Rock Rose Ave., Tioga Pl. from Liberty Heights Ave. to Reisterstown Rd., all 30 ft. wide, except Towanda Lane, sheet asphalt on 6 in. concrete base, 1½ in. binder and topping, placing armored concrete curbing, etc.; cost, $75,000. J. M. McCummings, engr. Noted Feb. 13.

Va., Portsmouth—Until Mar. 3, by Norfolk Co., building 2 mi. concrete road and 1 mi. macadam road from Ocean View to Willoughby Spit. About $40,000. R. B. Preston, Norfolk, engr.

Ga., Augusta—Until Mar. 4, by Comrs. Richmond Co., furnishing labor and materials for paving about 2 mi. road beginning at city limits. W. W. Hunter, engr.; advertised in this issue.

Ala., Moulton—Until Apr. 7 (change of date), by Comrs. Lawrence Co., grading, draining and surfacing 7.38 mi. Decatur and Sheffield Rd., chert or gravel. Work involves 26,331 cu.yd. earth excav., 13,300 cu.yd. surfacing, 278 cu.yd. concrete and 525 lin.ft. vitr. pipe. Noted Jan. 16.

Miss., Charleston—Until Mar. 3, by Comrs. Tallahatchie Co., Beats 4 and 5, graveling and surfacing 21 mi. road with bituminous material, involving 35,000 cu. yd. pit run gravel, 2750 cu.yd. screenings and 101,000 gals. road oil. D. S. Henderson, Sumner, clk. H. L. French, 11 South 2nd St., Memphis, Tenn., engr.

Miss., De Kalb—Until Mar. 4, by Supervs. Kemper Co., De Kalb, grading, graveling and draining roads in Dists. Nos. 1 and 2, Federal Aid Project No. 9, between Electric Mills and Porterville, total length 5.8 mi., involving 3,600 cu.yd. grading, 7400 cu.yd. gravel, 400 lin.ft. culvert pipe, X. A. Kramer, Magnolia, engr.

Miss., Starkville—Until Feb. 28, by Supervs. Oktibbeha Co., grading and graveling roads in Dist. No. 2. About $60,000. E. C. Thomas, Starkville, engr.

La., New Iberia—Until Mar. 10, by H. S. Sealy, mayor, paving Main St. and Railroad Ave. About $150,000. J. B. McCrary, 3rd Natl. Bank Bldg., Atlanta, Ga., engr. Noted Jan. 23.

Ohio—Until Feb. 28, by State Highway Comn., Columbus, building roads as follows:

Athens Co., Sect. "K-2," Logan-Athens Rd., 1.496 mi., brick on rolled stone base, cost $52,511.

Brown Co., Sect. "N," Cincinnati-West Union Rd., 2.8 mi., waterbound macadam, $54,378.

Butler Co., Sect. "A-1," Eaton-Middletown Rd., .625 mi., brick or wood block, $35,770.

Carroll Co., Sect. "G," Canton-Steubenville Rd., 2.34 mi. waterbound macadam, $40,576.

Clermont Co., Sect. "K-1," Cincinnati-Chillicothe Rd., 2.04 mi., waterbound macadam, $37,611.

Sect. "I-1," Cincinnati-West Union Rd., .5 mi., waterbound macadam, $9,979.

Sect. "J," Bethel-Chile Rd., .78 mi., waterbound macadam, $11,081.

Clinton Co., Sect. "A," Wilmington-Xenia Rd., 3.93 mi., resurfacing with waterbound macadam, $27,609.

Fayette Co., Sect. "K," Springfield-Washington Rd., 2.6 mi., water-bound macadam, $26,194.

Streets and Roads (Continued)

Lake Co., Sect. "J" and "2," Cleveland-Buffalo Rd., 7.715 mi. and 5.433 mi. monolithic brick or concrete, $251,739 and $173,111, respectively.

Sect. "B," Euclid-Chardon Rd., 2.25 mi., concrete, $48,340.

Mahoning Co., Sect. "N-1," North Lima-East Palestine Rd., 1.67 mi., waterbound macadam, $40,600.

Marion Co., Sect. "I," Marion-Upper Sandusky Rd., 5.13 mi., waterbound macadam or bituminuous macadam, $117,572.

Sect. "G," Marion-Galion Rd., 1.5 mi. waterbound macadam or bituminuous macadam, $34,085.

Muskingum Co., Sect. "L-2," Zanesville-Cincinnati Rd., .445 mi., tarbound macadam, $16,487.

Sect. "M-2," Zanesville-Dresden Rd., 595 mi., concrete, $16,430.

Preble Co., Sect. "G," Eaton-Greenville Rd., 2.25 mi., bituminous macadam, $53,188.

Vinton Co., Sect. "J-2," Chillicothe-McArthur Rd., 1.4 mi., two course concrete, $44,426.

Ind., Indianapolis—Until Feb. 26, by Comrs. Marion Co., grading and paving 1.91 mi. Orchard Ave., 18 to 24 ft. wide, involving 22,780 sq.yd. concrete, 3700 lin.ft. concrete curbing and 14,000 cu.yd. earth excav. About $58,480. J. Griffith, co. engr.

Ind., Indianapolis—Until Feb. 26 by Comrs. Marion Co., paving 3 mi. 21st St., 18 ft. wide, involving 31,740 sq.yd. vitr. brick on 5 in. concrete base and 9000 cu.yd. earth excav. About $78,915. J. Griffith, co. engr.

Ill., Eldorado—Uitil Mar. 7, by P. T. Choisser, city clk., for 11,429 sq.yd. concrete paving an necessary grading, storm sewers, pipe inlets, brick manholes, etc. F. L. Wilcox, Syndicate Trust Bldg., St. Louis, Mo., engr.; advertised in this issue.

Ia., Ft. Dodge—Until Feb. 25, by city, paving North 3rd St. viaduct, creosoted wood blocks. W. L. Tank, clk.

Mo., St. Louis—Until Mar. 18, by Bd. Pub. Serv., building 5 brick and 9 concrete alleys, total length 2 mi. About $70,000. W. W. Horner, city engr.

Ark., Harrisburg—Until Feb. 28, by Rd. Impvt. Dist. No. 3, Poinsett Co., Marked Tree, grading, clearing, grubbing and draining 25 mi. road, 22 ft. wide, involving 185,000 cu.yd. grading, 25 acres clearing and grubbing, 20 acres grubbing, one 80 ft. bridge, two 60 ft. bridges, two 25 ft. bridges, and 95 cu.yd. concrete culverts. Pride & Fairley, Osceola, engrs. Noted Nov. 7.

Tex., Abilene—Until Feb. 25, by Comrs. Taylor Co., building 11.61 mi. gravel surfaced road, State Highway No. 1, from Tye to Trent, including concrete drainage structures. H. E. Elrod Co., 505 Interurban Bldg., Dallas, engrs.

Tex., Dallas—Until Feb. 24, by Comrs. Dallas Co., building section Millers Ferry Rd., State Highway No. 14, water-bound macadam with asphalt surface. J. E. Witt, co. engr.

Wash., Cathlamet—Until Mar. 3, by Comrs. Wahkiakum Co., rocking and improving Permanent Highway No. 2. Project involves 1290 cu.yd. crushed rock and reshaping 1 mi. road bed.

California—Until Feb. 24, by State Highway Comn., Forum Bldg., grading, graveling and draining 8.9 mi. road from point near Shandon Pumping Sta. to east San Luis Obispo Co. line, 24 ft. wide. Work involves 78,200 cu.yd. earth excav., 465 cu.yd. concrete culverts, 3500 cu.yd. gravel surface, 1000 lin.ft. guard rail and 2710 lin.ft. 12-36 in. corrugated metal pipe. A. B. Fletcher, engr.

Cal., San Diego—Until Feb. 24 (change of date) by city, paving 3½ mi. Cass and Turquoise Sts. and LaJolla Blvd., asphaltic oil and stone screening surface on 5 in. concrete base. About $79,500. Noted Feb. 6.

Cal., San Diego—Until Mar. 5, by Bd. Supervs. San Diego Co., relocating and grading 2 sections highway near Bernardo.

Ont., Cornwall—Until Feb. 28, by Road Com., paving and draining about 58 mi. roads in Stormont, Dundas and Glengary Counties, crushed stone, also building one 25 ft. span rein.-con. bridge. J. G. Cameron, Finch, clk.

Ont., Hamilton—"See Miscellaneous."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. C., Charlotte**—City let contract paving 2000 ft. 2nd, 3rd, College and 11th Sts., 28 to 40 ft. wide, involving 5000 sq.yd. asphalt on 5 in. concrete base, 800 lin.ft. granite curb and 850 cu.yd. earth excav., to Noll Constr. Co., 8 East 6th St., Chattanooga, Tenn. About $15,000.

N. C., Wilmington—City received bids paving Water St., from J. L. McGehee Contg. Co., $2.25 per sq.yd. furnishing material for base and laying brick (using own working force and machinery), $2.05 for laying concrete base; Austin-Bennett Construction Co., $0.50 for laying brick and $1.70 for concrete base. Total cost $40,000, ⅞ of which will be borne by Atlantic Coast Line.

★**Florida**—State Highway Dept., Tallahassee, let contract building 5.6 mi. State Road No. 1 in Madison Co., between Jefferson Co. line and town of Greenville, 16 ft. wide, involving 5 acres clearing and grubbing, 22,048 cu.yd. earth excav., 570 ft. 15-18 in. vitr. pipe, 30½ cu.yd. class "B" concrete, 650 lb. steel, 500 lin.ft. piling, etc., to W. H. Thomas, Monticello, cost $19,528.

★**Fla., Miami**—City let contract filling in and building streets through subdivision, south of Deering Estate fronting Biscayne Bay, 750 ft. long, 650 ft. wide, to Bowers Southern Dredging Co., Miami. About $50,000. Project includes sea wall.

★**Fla., Moore Haven**—City let contract paving various streets and installing sewers in same, to Freedlund Constr. Co., 8th St. and River, Miami. About $30,000 available for project. Noted Jan. 2.

★**Fla., Tallahassee**—State College for Women let contract paving 1500 lin.ft. driveway, to Dawkins Constr. Co., Florida Life Bldg., Jacksonville. About $13,800. Noted Jan. 2.

★**Miss., Jackson**—City plans to resurface about 15,000 sq.yd. brick and asphalt pavements with asphalt. Work will be done by day labor.

★**O., Cleveland**—City let contract to Baldwin Bros., 560 Rose Bldg., paving and grading East 103rd St., involving 42,440-4 in. brick block, cost $28,200; Woodside Ave., 46,500-4 in. brick block, $30,792; Korman Ave., 20,220-5 in. brick block, $12,002; to A. M. Pepa Co., East 140th St., 38,815-4 in. brick block, $25,941; East 103rd St. from Union to Eliot Aves., 27,490-4 in. brick block, $18,363; to Roehl Bros., Clark Ave. and West 25th St., Poe Ave., 20,350-4 in. brick block, $12,690; West 91st St., 54,746-4 in. brick block, $34,771; West 90th St., 37,970-5 in. brick block, $18,508. Rieley Bros., 348 the Arcade, East 102nd St., 38,970-5 in. brick block, $18,508.

★**O., Cleveland**—City let contract grading and paving 75,000 sq.yd. Denison Ave., 5 in. brick block on 5 in. concrete base, to Freshwater Constr. Co., 9703 Madison Ave., $51,345; 20,000 sq.yd. Roehl Ave., 4 in. brick block on 4 in. concrete base, to Roehl Bros., West 25th St. and Clark Ave., $9080. Also paving and curbing 15,600 sq.yd. Flora Ave., 5 in. brick block on 5 in. concrete base, involving 1100 cu.ft. Berea sandstone curbing, to Rieley Bros., 384 Arcade, $7069; paving 20,000 sq.yd. Aetna Rd., 4 in. brick block on 6 in. concrete base, to Enterprise Paving Co., 8436 Bway., $10,564; repairing 16,400 sq.yd. East 128th St., 5 in. brick block on 6 in. concrete base, to Gould & Maybach, 823 East 150th St. Noted Feb. 6.

★**Ind., Indianapolis**—Comrs. Marion Co., let contract grading, paving and building bridges on 13,640 ft. McAlpin Rd., 20 ft. wide, involving 30,310 sq.yd. 7 in. concrete and 28,000 cu.yd. earth excav., to M. Sapirie Co., Indianapolis Ave. About $106,245.

Mich., Detroit—Dept. Pub. Wks. received bids paving and curbing:

(a) Gilbert Ave. from north line Michigan Ave. to south line Wagner St., 26 ft. wide, involving 5642 cu.yd. earth excav., 7702 lin.ft. Amherst curbing, 13,312 sq.yd. asphalt, 6 in. concrete base, 246 cu.yd. concrete under and behind curb, 1625 lin.ft. retaining stone.

(b) Anderson Ave. from north line Kercheval Ave. to south line Charlevoix Ave., 26 ft. wide, involving 3190 cu.yd. earth excav., 3236 lin.ft. Amherst curbing, 4944 sq.yd. asphaltic concrete, 6 in. concrete base, 92 cu.yd. concrete under and behind curb, 166 lin.ft. retaining stone.

(c) Trenton Ave. from north line Ferndale to south line Woodmere Aves., 26 ft. wide, involving 1784 cu.yd. earth excav., 2734 lin.ft. Amherst curbing, 4182 sq.yd. asphaltic concrete, 6 in. concrete base, 79 cu.yd. concrete under and behind curb, 228 lin.ft. retaining stone.

(d) Oregon Ave. from present pavement to east line Colfax Ave., 26 ft. wide, involving 2041 cu.yd. earth excav., 2056 lin.ft. Amherst curbing, 3053 sq.yd. asphaltic concrete, 6 in. concrete base, 57 cu.yd. concrete under and behind curb, 78 lin.ft. retaining stone.

(e) Petoskey Ave. from north curb Joy Ave. to north line Graham Ave., 26 ft. wide, involving 1787 cu.yd. earth excav., 1965 lin.ft. Amherst curbing, 3038 sq.yd. asphaltic concrete, 6 in. concrete base, 57 cu.yd. concrete under and behind curb, 210 lin.ft. retaining stone.

(f) Boxwood Ave. from north line Moore to south line Tireman Aves., 26 ft. wide, involving 1080 cu.yd. earth excav., 1424 lin.ft. Amherst curbing, 2178 sq.yd. asphaltic concrete, 6 in. concrete base, 41 cu.yd. concrete under and behind curb, 108 lin.ft. retaining stone.

(g) White St. from north line Jefferson Ave. to south line Harbaugh St., 20 ft. wide, involving 800 cu.yd. earth excav., 1564 lin.ft. Amherst curbing, 1866 sq.yd. asphaltic concrete, 6 in. concrete base, 46 cu.yd. concrete under and behind curb, 156 lin.ft. retaining stone.

(h) Wilson Ave. from north line Virginia Park to south line Euclid Ave., 26 ft. wide, involving 754 cu.yd. earth excav., 674 lin.ft. Berea curbing, 1058 sq.yd. asphaltic concrete, 6 in. concrete base, 19 cu.yd. concrete under and behind curb, 65 lin.ft. retaining stone.

(i) Wilson Ave. from north line Bethune to south line Pallister Aves., 26 ft. wide, involving 520 cu.yd. earth excav., 588 lin.ft. Berea curbing, 827 sq.yd. asphaltic concrete, 6 in. concrete base, 16 cu.yd. concrete under and behind curb.

(j) Wilson Ave. from north line Clairmont to south line Atkinson Aves., 26 ft. wide, involving 597 cu.yd. earth excav., 533 lin.ft. Berea curbing, 892 sq.yd. asphaltic concrete, 6 in. concrete base, 17 cu.yd. concrete under and behind curb, 104 lin.ft. retaining stone.

From the Detroit Asphalt Paving Co., 20 McGraw Bldg., (a) $55,674; (b) $21,241; (c) $17,523; (d) $13,759; (e) $13,480; (f) $9320; (g) $8389; (h) $5428; (i) $4114; (j) $4389.

W. B. Brady Constr. Co., 1972 Grand River Ave., (a) $56,910; (b) $22,039; (c) $17,523; (d) $13,580; (e) $13,304; (f) $9368; (g) $8512; (h) $5331; (i) $4055; (j) $4436.

Cleveland Trinidad Paving Co., 2940 Woodward Ave., (a) $57,061; (b) $22,365; (c) $17,713; (d) $13,858; (e) $13,422; (f) $9583; (g) $8558; (h) $5234; (i) $3976; (j) $4258. Noted Feb. 6.

Mich., Detroit—Dept. Pub. Wks. received bids paving, grading and curbing:

(a) Corbin Ave. from Herman to 12th Sts., 24 ft. wide, involving 3431 sq.yd. asphalt, 6 in. concrete base, 2439 lin.ft. Berea or Amherst curbing, 1609 cu.yd. earth excav., 70 cu.yd. concrete, under and behind curb, 192 lin.ft. retaining stone.

(b) Army St. from Beard to Green Sts., 26 ft. wide, involving 2059 sq.yd. asphalt 6 in. concrete base, 1454 lin.ft. Berea or Amherst curbing, 924 cu.yd. earth excav., 40 cu.yd. concrete under and behind curb 26 lin.ft. retaining stone.

(c) St. Hedwig Ave. from Lockwood St. to Junction Ave., 26 ft. wide, involving 1755 sq.yd. asphalt, 6 in. concrete base, 1064 lin.ft. Berea or Amherst curbing, 910 cu.yd. earth excav., 33 cu.yd. concrete under and behind curb, 180 lin.ft. retaining stone.

(d) Putnam Ave. from Lawton to Maybury Aves., 26 ft. wide, involving 2333

Streets and Roads (Continued)

sq.yd. asphalt, 6 in. concrete base, 566 lin.ft. Berea or Amherst curbing, 690 cu.yd. earth excav., 25 cu.yd. concrete under and behind curbs, 70 lin.ft. retaining stone.

(e) Greusel Ave. from Otis to Kulic Sts., 26 ft. wide, involving 1843 sq.yd. asphalt, 6 in. concrete base, 1172 lin.ft. Berea or Amherst curbing, 995 cu.yd. earth excav., 74 cu.yd. concrete under and behind curb, 104 lin.ft. retaining stone.

(f) Wendall Ave. from Ferndale to Woodmere Aves., 26 ft. wide, involving 4834 sq.yd. asphalt, 6 in. concrete base, 3183 lin.ft. Berea or Amherst curbing, 2007 cu.yd. earth excav., 91 cu.yd. concrete under and behind curb, 227 lin.ft. retaining stone.

(g) Rathborne St. from Springwells to Lawndale Sts., 26 ft. wide, involving 4919 sq.yd. asphalt, 6 in. concrete base, 3323 lin.ft. Berea or Medina curbing, 2443 cu.yd. earth excav., 92 cu.yd. concrete under and behind curb, 124 lin.ft. retaining stone.

(h) Covin St., from Fort to Krupp Sts.

From Detroit Asphalt Paving Co., 20 McGraw Bldg., (a) $15,179; (b) $8714; (c) $7831; (d) $6373; (e) $8138; (f) $20,284; (g) $21,034; (h) $10,446.

W. B. Brady Constr. Co., 1972 Grand River Ave., (a) $15,468; (b) $9104; (c) $8203; (d) $6798; (e) $8527; (f) $21,068; (g) $22,261; (h) $10,912.

Cleveland Trinidad Paving Co., 2940 Woodward Ave., (a) $14,820; (b) $8906; (c) $8057; (d) $6683; (e) $8382; (f) $20,707; (g) $21,369; (h) $10,642. Noted Jan. 30.

★**Neb., Grand Island**—City let contract curbing and paving with sheet asphalt 7568 ft. Koenig, Lincoln and Cleburn Sts., 36 ft. wide, to Watts Constr. Co., Concordia, Kan. About $86,250. Noted Jan. 30.

★**Mont., Kalispell**—Comrs. Flathead Co. plan to regrade and shape 250 mi. road, also gravel, scarify and regrade 20 mi. and expend $15,000 for gravel surfacing. F. P. Scott, Kalispell, engr. Work will be done by day labor.

★**Tex., El Paso**—City let contract building Alamogordo-Newman Rd., to El Paso Bitulithic Co., Alameda Ave. and Texas St. About $30,000.

★**Tex., San Antonio**—City let contract to Uvalde Rock Asphalt Co., Swearingen Bldg., for fine grading and surfacing with 2 in. bituminous trap rock, rock asphalt or bitulithic 5500 ft. New Braunfels Ave. from Van Ness to Commerce St., 30 ft. wide, $1.25 per sq.yd. (10 yr. maintenance). $.25 per sq.yd. for grading, total $36,300; preparing macadam foundation, resetting some old curb, putting in new curb, guttering and surfacing with 2 in. asphalt, 3000 ft. Foch Highway from Cincinnati to North Flores, 39 ft. wide, involving 900 sq.yd. asphalt, $1.25 per sq.yd., total, $11,250, 9000 sq.yd. foundation, $.40 per sq. yd., $3600, 3500 ft. new curb and gutter, $.65 per ft., $2275; 300 ft. resetting old curb, $.50 per ft., $150, (10 yr. maintenance), total $18,275. Noted Jan. 30.

Idaho—State Highway Comn., Boise, let contract grading, graveling and surfacing 4 mi. road from Declo to Albion, Cassia Co., to J. J. Carroll & Salmon, Burley, $29,948. Work involves 14,830 cu.yd. grading, 3380 cu.yd. rock and 6400 cu.yd. gravel surfacing. Noted Jan. 30.

★**Wash., Yakima**—Yakima Co. let contract hard surfacing 7½ mi. road into Naches Valley, to R. M. Hardy, Seaboard Bldg., Seattle. About $214,897. Noted Jan. 9.

★**Oregon**—State Highway Comn., Yeon Bldg., Portland, let contract paving West Side highway from Corvallis to Polk Co. line, type "F," to O. Huber, Sherlock Bldg., Portland, $224,260; grading 5.1 mi. road in Douglas Co., using concrete pipe, to H. J. Hildeburn, Portland; paving 11.3 mi. road, concrete on gravel, from Hillsboro to Multnomah Co. line, to A. Guthrie & Co., Sherlock Bldg., Portland, $248,935; paving 6.1 mi. road, type "D," Josephine Co., to S. S. Schell, Grants Pass, $118,717; building rein.-con. viaduct at Divide, to A. Anderson, Grants Pass, Ore., $6256; grading 2.1 mi. road in Douglas Co. through State Coach Pass, using concrete pipe, to J. Hampshire, Grants Pass, $53,220; grading 4 mi. Yamhill-Nestucca Rd., macadam, using corrugated iron pipe, to Elliott & Scoggins, McKay Bldg., Portland, $57,918. Noted Jan. 30.

Oregon—State Highway Comn., Yeon Bldg., Portland, received bids Feb. 4, grading and graveling Columbia Highway, (a) bank gravel, (b) screen gravel, from Genl. Const. Co., cost plus 12½%; A. D. Kern, (a) $238,109, (b) $241,234; Porter & Conley, (a) $226,020, (b) $226,020. Noted Jan. 30.

★**Ore., Astoria**—Clatsop Co. let contract grading and paving remaining section Smiths Point Rd., 16 ft. wide, 1.5 in. asphaltic concrete surface on 6 in. concrete base, to J. H. Tillman Co., Astoria, $28,582.

California—State Highway Comn., Forum Bldg., Sacramento, received only bids Feb. 17, grading 15.1 mi. and paving 11.4 mi. road, 12 ft. wide on 4 in base, between Tecade Divide and San Diego Co., from O. G. Ritchie, Niles, $233,273. Work involves 66,000 cu.yd. excav., 11,140 cu.yd. concrete pavement, 390 cu.yd. concrete culvert, 2949 ft. 18-30 in. corrugated pipe, etc. Noted Jan. 30.

★**Cal., Glendale**—City let contract grading, paving, building cement sidewalks, etc. on East B'way, from Glendale Ave. to Verdugo Rd., 7400 ft. long, 16½ ft. wide, to G. R. Curtis, 2440 East 26th St., Los Angeles. About $43,794. Work involves 189,850 sq.ft. 5 in. concrete pavement, including grading, 22,000 sq.ft. cement sidewalks, 6810 lin.ft. cement curbs, 8500 sq.ft. grading and oiling, 926 ft. 2 in. pipe conduits, corrugated iron concrete culverts, etc. Noted Jan. 23.

★**Cal., Los Angeles**—E. Firth, 346 Bway., let contract curbing, guttering and building sidewalks on streets in Tract No. 3064, west of Main St. between 99th and 108th Sts., to W. F. Peck, 4568 Finley Ave. About $20,000. Plans involve 6 x 12 x 28 in. cement curbs, $.52 per lin.ft., 6 x 9 x 15 in. curbs, $.26; 3 in. sidewalks, $.10 per sq.ft.; 4 in. gutters, $.12 per sq.ft., curbs on radius, $.39 per lin.ft.

Cal., San Jose—Santa Clara Co. received bids paving 5.2 mi. Almaden Rd., concrete, and building bridge over Guadalupe Creek; lowest 3 were J. R. Doyle, San Jose, $68,449; F. R. Ritchie, Chronicle Bldg., San Francisco, $69,750; Raisch Impvt. Co., 46 Kearny St., San Francisco, $72,900.

★**B. C., Vancouver**—City plans to grade and rock with water bound macadam various streets and lanes. Work will be done by day labor. About $25,000.

Railways

PROPOSED WORK

Ohio—Cleveland, Cincinnati, Chicago & St. Louis Ry. Big Four Bldg., Cincinnati, acquired 17 acres at Sharon adjoining its present classification yards and plans to build gravity and classification yard for east and west traffic, to include 20,000 ft. trackage, also new eastern classification yard with 30,000 to 40,000 ft. trackage, three 20 ft. span concrete bridge, steel truss viaduct with concrete approaches, rearranging existing yards and filling and excavation work. Total cost, $750,000. C. A. Paquette, Cincinnati, ch. engr.

Texas—Dallas Ry. Co., Interurban Bldg., Dallas, plans to expend $200,000 for improvements to various street car lines in city. R. Merriwither, genl. mgr.

Excavation and Dredging

PROPOSED WORK

Mass., Fall River—Dredging—State Legislature, Boston, petitioned to appropriate $100,000 to dredge Taunton River from here to Weir Village, Taunton Twp., to improve navigation, dredged material to be deposited in adjoining land and flats.

Mass., Lynn—Dredging—State Legislature, Boston, petitioned to dredge Lynn Harbor and develop adjacent lands and to direct Metropolitan Park Comn., 18 Tremont St., Boston, to build wharf to cost $25,000; also to direct Comn. Waterways & Pub. Lands to dredge flats contiguous to northeast of main ship channel and southeast anchorage basin in Lynn Harbor and deposit dredged material on lands and flats in harbor, cost to exceed $10,000

Mass., Revere (Boston P. O.)—Excavation—State Legislature, Boston, petitioned to authorize Comn. Waterways & Pub. Lands to excavate Belle Isle inlet, to provide free passage of small boats, also to make survey of inlet preparatory to other improvements. Cost to exceed $10,000.

Ind., Indianapolis — Excavation — See "Streets and Roads."

Wis., Superior—Excavation—See "Streets & Roads."

Ia., Onawa—Drainage—Comrs. Monona Co. rejected bids repairing cut-offs of Little Sioux River D. D. No. 1, requiring moving 434,000 cu.yd. material. J. J. Riddle, aud. Noted Feb. 6.

Ia., Oskaloosa—Excavation Bd. Supervs. Mahaska Co. will re-advertise work of straightening Skunk River, involving 300,000 cu.yd. excav. Address H. H. Sheriff, 101 High Ave.

Ia., Sac City—Drainage—Sac Co. having plans prepared by A. E. Holmes, engr., Sac City, building D. D. No. 71, to include 18,000 acres. Work involves 120,000 cu.yd. open ditch excav., 8 mi. 24-38 in. tile, 2 mi. smaller sizes, also partial filling 8 mi. open ditch and necessary intakes and headwalls.

Minn., Red Lake Falls—Dredging—City submitted bill to State Legislature asking for appropriation of $100,000 to widen and straighten Red Lake River between ranges 40 and 41, Twp. 153, to outlet of Red Lake.

Minn., Tyler—Ditch—Comrs. Lincoln Co. (Ivanhoe) plan to repair, deepen and enlarge Co. Ditch No. 8. G. Thorn, civil engr.

Mont., Whitehall—Irrigation—Whitehall Irrigation Dist. will sell $200,000 bonds Mar. 25, to build earth dam, to have capacity of 20,000 acre ft. water, also 40 mi. canals. G. Baker, Whitehall, ch. engr. Noted Aug. 15.

Ark., Lonoke—Excavation—Bayou Metropolitan D.D. No. 1, Lonoke Co., plans to clean and excavate with dredge and teams bayou; involving 51,700 cu.yd. dry earth excav., 3,046,850 cu. yd. floating dredge work and 850 acres clearing. Chapline & Beard, Lonoke, attorneys.

Colo., Denver—Ditch—Mutual Carey Irrigation Co., 520 Exch. Bldg., plans to build 38 mi. ditch and large reservoir in Las Animas Co. Cost to exceed $100,000. Whiting & Laird, 520 Exch. Bldg., engr.

Wash., Yakima—Drainage—Yakima Co. Comrs. considering construction of drainage system in Wide Hollow Dist. About $80,000.

Ore., Portland—Drainage—Multnomah D. D. No. 1, Multnomah Co., plans to build dyking and drainage system to cover 8000 acres in Columbia Slough. About $350,000.

Cal., Bakersfield—Irrigation—Land owners Kern Co. formed organization and plan to build system to impound waters of Kern River to irrigate several thousand acres land. J. A. Pickle, R. T. Waters and C. G. Smith, Rosedale, Com. R. Bennett, engr., Central Bldg., Los Angeles, completed preliminary surveys.

Cal., Modesto—Irrigation—Waterford Irrigation Dist. plans election soon to vote on $200,000 bonds; $170,000 to pay for water rights and $30,000 to extend and improve irrigation works. Pumping plant will probably be installed in Tuolumne River, to lift water 110 ft. for irrigating 13,866 acres. E. N. Bryan, Modesto, engr. Noted Nov. 28.

BIDS DESIRED

N. Y., Rochester—Barge Canal Work—Until Mar. 11, by W. W. Wotherspoon, supt. pub. Wks., Capitol, Albany, completing canal from Kings Bend to Lehigh Valley R.R. crossing here, Erie Canal, Sect. 9, Contr. No. 190, involving 61,000 cu.yd. excav., 20,000 cu.yd. forming embankment, 640 lin.ft. foundation piles, 875 cu.yd. 2nd class concrete, 420 lin.-ft. 12 in. vitr. pipe, building 1 storehouse, etc. About $284,752; advertised in this issue.

Fla., Hastings—Drainage—Until Feb. 26, by Hastings D. D., building 526,062 cu.yd. open ditch and concrete and wooden bridges in St. Johns, Putnam and Flagler Counties. C. W. Maltby, secy. Ellis, Curtis & Kooker, 211 Realty Bldg., Jacksonville, engrs. Noted Feb. 13.

Excavation and Dredging (Continued)

Ind., Indianapolis — Excavation — See "Streets and Roads."

Ill., Carthage—Earthwork—Until Mar. 19, by Secy. Mississippi River Comn., 1311 International Life Bldg., St. Louis, Mo., building 75,000 cu.yd. hydraulic fill in old borrow pits and 35,000 cu.yd. levee enlargement in Hunt D. D., Hancock Co.

Ill., Quincy—Levee—Until Mar. 19, by Secy. Mississippi River Comn., 1311 International Life Bldg., St. Louis, Mo., building 210,000 cu.yd. hydraulic fill in old borrow pits and 80,000 cu.yd. levee enlargement in Lima Lake D. D.

Ia., Garner—Drainage—Until Mar. 4, by Hancock Co., (Garner) and Kossuth Co., (Algona), improving Hancock-Kossuth Joint D. D. No. 5-87, consisting of one section tile work involving 86,570 ft. 6-26 in. tile; one section open work involving 17,300 ft. 12 ft. base and 51,900 ft. 8 ft. base, estimated at 450,000 cu.yd. and 3300 ft. estimated at 4026 cu.yd. to be cleaned; 57 intakes, 11 bulkheads and 95 corrugated ingot iron outlet pipes varying in size from 8 in. x 20 ft. to 15 in. x 40 ft. C. Jacobs, aud.

Minn., Fairmont—Ditch—Until Feb. 24, by H. C. Nolte, aud. Martin Co., building Co. Ditch No. 37, involving 5350 ft. 6-14 in. tile; Co. Ditch No. 82, 70,150 ft. 6-34 in. tile, 2 bulkheads and 27 storm water inlets.

Minn., Windom—Ditch—Until Feb. 28, by Comrs. Cottonwood Co., building Co. Ditch No. 11, involving 18,300 ft. 6—24 in. tile and 1079 cu.yd. open work. About $16,750. C. W. Gove, Windom, engr. Noted Nov. 14.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Wis., South Byron**—Ditch—Town let contract building 3 mi. ditch in Stettbacher D. D., to Wisconsin Drainage Co., Elkhorn.

★**Ia., Onawa**—Canal—Comrs. Menona Co. let contract repairing main canal, D. D. No. 1, involving moving 950,000 cu.yd. material in 19 mi. ditch, to Mulgrew-Boyce Co., Dubuque. Noted Feb. 6.

★**Utah, Delta**—Excavation—D. D. No. 3 Millard Co. let contract for 1,380,000 cu.yd. excav., to D. A. Foley, Aitkin, Minn. Noted Jan. 9.

Industrial Works

PROPOSED WORKS

Mass., Worcester—Cutting, Carleton & Cutting, archts., 44 Front St., receive bids about March, rebuilding lumber yards to include brick office, dry kiln and several lumber sheds, for W. H. Sawyer Lumber Co., 66 Lincoln St. About $50,000.

R. I., Providence—G. Lafidian, 261 Plain St., soon receives bids building 1 story, 47 x 80 ft. brick garage, concrete flooring, on Plain St. About $25,000.

R. I., Woonsocket—Narragansett Mills, recently organized, Sayles St., plans to build plant here.

Conn., Bridgeport—A. L. Clark, 1710 Main St., purchased 140 x 180 ft. site on Cannon St. and plans to build public garage.

Conn., Hartford—P. A. Frasse & Co., Inc., 45 Boulevard St., had plans prepared building 1 story, 50 x 145 ft., concrete and brick storage building, rein.-con. flooring, concrete foundation, on Forest St. About $40,000.

Conn., New Britain—City receives bids in April building brick addition to abattoir on Rocky Hill Ave. Cost to exceed $50,000.

Conn., New Haven—New England Iron Wks., Inc., 96 Commerce St., receives bids in March building 1 story, 60 x 150 ft., brick and steel plant, concrete flooring, concrete foundation, on Albert and Welton Sts. About $40,000.

Conn., Waterbury—E. E. Benedict, archt., 51 Leavenworth St., soon receives bids building 2 story, 44 x 100 ft., concrete and brick public garage, rein.-con. flooring, concrete foundation, on South Main St., for S. L. Gottlieb, 291 South Main St. About $35,000.

N. Y., Gouverneur—Local Dairymen's League plans to build milk condensary. About $30,000 available. Address Bldg. Com.

N. Y., New York—D. Auerbach, 638 11th Ave., having plans prepared by R. D. Kohn, archt., 56 West 45th St., for 11 story, steel and brick addition to factory, rein.-con. flooring, concrete foundation.

N. Y., New York—F. Holt, 165 B'way., had plans prepared by C. B. Meyers, archt., 1 Union Sq., for 3 story, 44 x 92 ft., steel and brick repair shop and show room, rein.-con. flooring, concrete foundation, at 240-242 East 20th St. About $35,000.

N. Y., Watertown—C. R. Robinson, H. Gurnee, Ives St. Rd., Watertown, and R. H. Ganter, formed committee to organize company to build milk plant and distributing station. About $40,000.

N. Y., Watertown—Weldon Sales Co., 483 Court St., plans to build concrete and steel garage on Factory St. Cost between $50,000 and $60,000. J. J. Weldon, pres.

N. J., Camden—J. Evanson & Son, Delaware Ave. and Pennsylvania R.R. plans to rebuild factory destroyed by fire, 6 story, 75 x 100 ft. brick and steel, rein.-con. flooring. About $150,000.

N. J., Newark—M. J. Nadel, archt., 15 Clinton St., receives bids about Apr. 1, building rein.-con. and brick, factory and loft building, rein.-con. flooring, concrete foundation, at 359-361 Plane St., for J. & H. Berkowitz, 93 South Orange Ave. About $50,000.

N. J., Newark—P. B. Taylor, engr., Essex Bldg., soon receives bids building 1 story rein.-con. and brick oil plant on Wilson Ave., rein.-con. flooring, concrete foundation, consisting of storage and office buildings, garage and stable, for Amer. Oil & Supply Co., 52 Lafayette St. About $100,000.

N. J., Newark—Warner Bros., 270-274 Jelliff Ave., receives bids about Apr. 1, building 2 story, 40 x 94 ft., addition to storage building. About $25,000. F. Grad, 245 Springfield Ave., archt.

N. J., Verona—Bd. Freeholders Essex Co., Newark, plans to build power plant. J. Green, 27 Clinton St., Newark, archt.

N. J., Verona—Bd. Freeholders Essex Co., Newark, having plans prepared by J. Green, archt., 27 Clinton St., Newark, for power plant here. Runyon & Carey, 843 Broad St., Newark, engrs.

N. J., Washington—H. Christine, mayor, O. Menkel, and associates, plan to build brick hosiery mill, here. About $75,000.

Pa., Chester—Chester Shipbuilding Co., Kerlin St., plans to build 2-story, 37 x 120 ft. shop. About $25,000.

Pa., Johnstown—See "Buildings."

Pa., McKees Rocks—Pittsburgh Ry. Co., 435 6th Ave., Pittsburgh, plans to build addition to power house here, also new station at Castle Shannon and new tracks at various points. F. Uhlenhart, ch. engr.

Pa., North Wales—North Wales Machine Co., Elm St., plans to rebuild machine shop recently destroyed by fire with a loss of $25,000.

Pa., Shamokin—H. McClow, 711 North Shamokin St., purchased site on Commerce St., and plans to build 3-story brick ice cream plant.

Pa., Sharon—Sharon Motor Co. plans to build garage on Shenago St., between Silver and Pitt Sts. About $40,000.

Md., Baltimore—Bartlett-Hayward Co., Scott and McHenry Sts., and F. A. Furst, 1515 Fidelity Bldg., having preliminary plans prepared by Norton, Bird & Whitman, engrs, 1320 Munsey Bldg. for large ship repairing plant to cover 100 acres fronting on Patapsco River Plans include dry docks, marine railway, machine shops, etc. Between $4,000,000 and $5,000,000 will be expended. H. Bruce, pres. of former company.

Md., Canton (Baltimore P. O.)—J. M. Jones, 1621 Park Ave., Baltimore, and associates, acquired site on 5th Ave., and plan to build tin manufacturing plant. About $500,000.

Md., Cumberland—Kelly Springfield Tire Co., Cook St., Akron, O., plans to build rein.-con. factory, here, to consist of several buildings. Cost between $2,000,000 and $2,500,000. H. B. Blanchard, c/o company, engr.

Md., Middletown—Middletown Packing Co. plans to build 1 and 2 story, 40 x 200 ft. factory and 60 x 100 ft. warehouse, concrete, brick and timber, rock and concrete foundation. Cost between $25,000 and $30,000. M. F. Holter, pres.

S. C., Charleston—R. L. Riggs, 1 Broad St., having preliminary plans prepared by J. D. Newcomer, archt., 32 Broad St. for 3 story, 159 x 170 ft. rein.-con. garage, salesrooms, repair shops and storage building. About $100,000.

S. C., Charleston—Sattile Cadillac Co., 261 Meeting St., having plans drawn by J. D. Newcomer, archt., 32 Broad St. for 2 story, 100 x 120 ft., rein.-con. garage, show rooms, storage building and repair shop on Meeting St. About $50,000.

Ga., Abbeville—Lon Dickey Tobacco Warehouse Co. plans to build 160 x 200 ft. warehouse here.

Ga., Atlanta—Murray Co., Southern R.R and Foster St., plans to build a 1 story, 110 x 200 ft. steel frame gray iron foundry. About $50,000. Lockwood, Greene & Co., Healy Bldg., engrs.

Fla., Miami—Magic City Lumber Co., Lemon St. and Ave. E, purchased site on Waddell St., and plans to build 3 story, concrete or tile building. About $75,000. F. C. Goodman, pres.

Ala., Mobile—O. P. McMeans, engr., McMeans and Tripp St., Indianapolis, Ind., soon lets contract building factory here, for Dixie Fruit Products Co., 510 Majestic Bldg. About $250,000.

O., Alliance—City election Mar. 18, to vote on $200,000 bond issue to build electric-light and power plant.

O., Cleveland—Beckman Co., Fulton Rd., having plans prepared by Lockwood, Greene & Co., archts., 38 South Dearborn St., Chicago, for 2 story brick and rein.-con. factory, rein.-con. flooring and concrete foundation. About $175,000.

O., Tiffin—Hollis Tractor Co., Industrial St. and Riverside Ave., plans to remodel and build 1 story addition to present plant. About $30,000.

Mich., Flint—See "Buildings."

Ill., Decatur—Comet Automobile Co., 156 South Water St., plans to build power and heating station. About $35,000.

Ill., East St. Louis—J. Downey, archt., Stockyards, receives bids about Mar. 1, rebuilding fire damaged slaughterhouse for Morris & Co., Nat'l. Stockyards. About $35,000.

Ill., Rock Falls—Rock Falls Box Board Co. having plans prepared for 3 story, 120 x 135 ft., brick and rein.-con. factory, concrete foundation. About $130,000. J. L. Carey, 208 North Laramie Ave., Chicago, engr.

Ill., Rock Island—Universal Tractor Co., branch of Moline Plow Co., 1420 3rd Ave., Moline, having plans prepared by J. D. Clark, engr., c/o Moline Plow Co., building 2 story, 60 x 250 ft. plant on 42nd St. and 3rd Ave. About $250,000.

Wis., Janesville—Samson Tractor Co., division of General Motors Corp., 88 East Congress St., Detroit, Mich., plans to build 2nd unit of its plant here, 200 x 500 ft. J. A. Craig, genl. mgr.

Wis., Manitowac—Manitowac Plating Wks., 1022 South 10th St., having plans prepared by Pitz & Peltzein, engrs., 8th and Jay Sts., building 1 story, 50 x 100 ft. plant.

Wis., Oshkosh—Challoner Co., 29 Osceola St., plans to build 2 story, 70 x 220 ft. mill construction addition to its plant. About $75,000.

Wis., Washburn—Anchor Co. plans to build shipbuilding plant, to include 120 x 200 ft. machine shop, 160 x 300 ft. punch and blacksmith shops, and 55 x 270 ft. forge and foundry.

Wis., West Allis (Milwaukee P. O.)—Allis-Chalmers Mfg. Co., West Allis St., Milwaukee, had plans prepared building 110 x 320 ft. tractor plant.

Ia., Mason City—Nat. Clay Wks. had plans prepared rebuilding plant. About $100,000. A. J. Thompson, secy.

Ia., Sioux City—Terminal Grain Corp., Grain Exch., receives bids in March building 250,000 bu. rein.-con. terminal elevator, rein.-con. flooring, concrete foundation, on 14th St. along Great Northern Ry. tracks. About $140,000. Burrell Eng. & Constr. Co., 323 South La Salle St., Chicago, Ill., engrs.

Industrial Works (Continued)

Minn., Hibbing—City having preliminary plans prepared by Holstead & Sullivan, archts., 410 Palladia Bldg., Duluth, building 3 story, 100 x 150 ft. power plant. C. Foster, supt. water & light dept.

Neb., Omaha—Iten Biscuit Co., 12th and Capitol Ave., having plans prepared for 6-story, 120 x 132 ft., rein.-con. addition to bakery, 12th and Davenport Sts. O. H. Barmettler, genl. mgr.

Neb., Omaha—State Legislature plans to appropriate $120,000 for improvements to University of Nebraska, College of Medicine, 42nd St. and Dewey Ave., to be used as follows: $40,000 for electrical apparatus, laboratory equipment, assembly room with 400 chairs, elevator, etc.; $80,000 for erection of 1 story, 30 x 50 ft. brick heating plant; also pumps, pipe covering, 150 ft. chimney stack, water-tube boilers, etc. J. Latenser & Sons, No. 632 Bee Bldg., archts.

N. D., Fargo—City plans to build 3 garages to cost from $50,000 to $100,000 each. A. R. Watkins, aud.

Mo., St. Louis—Bridge & Beach Stove Co., 1st and Valentine St., having plans prepared by E. C. Klipstein, archt., Chemical Bldg., for factory near Union and Natural Bridge Sts. H. C. Hoener, vice pres. Noted Mar. 7.

Mo., St. Louis—McQuay-Norris Mfg. Co., 2808 Locust St., plans to build factory along Oak Hill R.R. and Cooper St.

Mo., St. Louis—Valier-Spies Milling Co., Pierce Bldg., plans to build grain elevator on Marcus and Euclid Aves. About $1,000,000. Address R. Valier.

Utah, Ogden—Utah Packing Corp., Eccles Bldg., plans to build packing plant. About $200,000. A. J. Hall, pres.

Ariz., Florence—See "Water-Works."

Ore., Astoria—Astoria Pulp & Paper Co. plans to build paper mill on 11th St. and Taylor Rd. About $250,000. Blake-McFall Co., 3rd and Ankeny Sts., Portland, interested.

Ore., Portland—Astoria Flour Mills, Astoria, plans to build flour mill here, 3000 bbl. capacity. L. C. McLeod, Astoria, mgr.

Cal., Fresno—San Joaquin Light & Power Co., H and Tulare Sts., plans to build 15,000 k.w. hydroelectric plant on San Joaquin River; also improve transmission line and distribution systems. About $3,000,000 will be expended for project. Noted Aug. 22.

Cal., Los Angeles—Killefer Mfg. Co., 2209 Santa Fe Ave., plans to build factory.

Cal., Santa Barbara—Union Mill & Lumber Co., Chapala St., plans to build planing mill on East Montecito St.

N. B., Fredericton—See "Buildings."

Que., Cap de la Madeleine—River Side Lumber Co. plans to build pulp mill. About $200,000. H. Bierman, mgr., Canadian-Belgo Pulp & Paper Co., River Side, Shawinigan, interested.

Que., Cap de la Madeline—St. Maurice Paper Co. plans to build addition to mills. About $375,000. R. Louthood, mgr.

Ont., Guelph—Guelph Worsted & Spinning Co., Neeve St., plans to build addition to plant. About $200,000.

Ont., Leamington—Erie Cooperative Co., Talbot St., plans to build warehouse. About $25,000. W. R. Dewar, mgr.

Ont., Watford—Andrews Wire Co., Wall St., plans to build addition to plant and install machinery. About $60,000.

Sask., Moosomin—Town having plans prepared for installing electric light plant. About $50,000.

B. C., Kaslo—Gibson Mining Co., Gibson, plans to build concentrator here. About $25,000. C. D. Empfield, secy. and treas.

B. C., Vancouver—Mainland Eng. Co., 422 Railway St., having plans prepared by Gardiner & Mercer, archts., 827 Birks Bldg., for 2 story, 50 x 60 ft. pattern shop, 54 x 125 ft. boiler and blacksmith shop, 60 x 100 ft. foundry, 60 x 100 ft. machine shop, 50 x 250 ft. marine ways of 2000 ton capacity, jetty and office building, timber on Georgia St., near Coal Harbor. About $70,000.

B. C., Vancouver—Pacific Electric Welder & Mfg. Co., 1018 1st Ave., Seattle, Wash., plans to build 1 story factory on Industrial Island. Cost between $60,000 and $70,000, including machinery.

BIDS DESIRED

N. Y., Brooklyn—Until Mar. 19, by H. J. Nurick, archt., 951 Bway., building 2-story, 120 x 160 ft., steel and brick garage, warehouse and workshop, rein.-con. flooring, concrete foundation, Varick Ave. and Meserole St., for J. H. Werbelovsky, 83 Meserole St. About $50,000. Noted Jan. 30.

N. Y., Brooklyn—Until Mar. 19, by H. J. Nurick, archt., 957 Bway., building 1-story, 100 x 165 ft., steel and brick warehouse, garage and workshop on Jefferson St., Flushing and Wyckoff Aves. About $50,000. Owners name withheld.

N. Y., Brooklyn—Until Feb. 24, by W. Goldstein, 1668 47th St., building 1 story, 100 x 100 ft., steel and brick garage, rein.-con. flooring, concrete foundation, 6th Ave. and 62nd St. About $25,000. M. A. Cantor, 373 Fulton St., archt. Noted Jan. 16.

N. Y., Woodhaven—Until Feb. 24, by W. T. McCarthy, archt., 16 Court St., Brooklyn, building 2-story, 50 x 95 ft., steel and brick factory, rein.-con. flooring, concrete foundation, Atlantic and Freedom Aves., for Amer. Tool & Dye Co., Lexington Ave., Brooklyn. About $25,000. Noted Feb. 6.

Pa., Johnstown—See "Buildings."

Md., Baltimore—Until Mar. 5, by J. Freund, Jr., archt., 16 East Biddle St., building 4 story, 58 x 143 ft., rein.-con., steel and brick addition to bakery, rein.-con. flooring, concrete and rock foundation, on North Gay St., for City Baking Co., 500 Equitable Bldg. About $50,000.

Mich., Detroit—Morgan & Wright Tire Co., Foot Bellevue St., receiving bids building 7 story, 140 x 215 ft., brick and rein.-con. warehouse, concrete foundation. About $75,000. Lockwood, Greene & Co., 38 South Dearborn St., Chicago, engrs. Noted Jan. 23.

Wis., La Crosse—Until Mar. 20, by Bentley & Merman, archts., Linker Bldg., building 2 story, 60 x 60 ft., rein.-con. brick and steel plant on Front and Main Sts., for Tri-State Ice Cream Co. About $60,000. Noted Jan. 30.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Millis**—Cliquot Club Co. let contract building power house, new bottling building and removing and rebuilding storage building, to Aberthaw Constr. Co., 27 School St., Boston. About $150,000.

★**R. I., Providence**—Maine Creamery Co., 69 Bway., let contract altering present creamery and building 1 story, 35 x 150 ft. and 30 x 60 ft. brick and timber addition, rein.-con. flooring and concrete foundation, on Bath St., to be used for garage, stable and office, etc., to E. H. Bigney, 17 Custom House St. About $45,000. Noted Feb. 13.

★**Conn., Rocky Hill**—Connecticut Fdry. Co. let contract building 1 and 2 story, 100 x 160 ft., brick and steel foundry, rein.-con. flooring and concrete foundation, to J. H. Grozier Co., 721 Main St., Hartford. About $40,000.

★**N. Y., Brooklyn**—H. Aaron, 1205 Eastern Pkway., will build 2 story, 112 x 200 ft., steel and brick garage, rein.-con. flooring, concrete foundation, on Classon and Atlantic Aves. About $85,000. Work will be done by day labor.

★**N. Y., Brooklyn**—J. Kayser, 45 East 17th St., New York City, let contract building 1 story, 50 x 55 ft., steel and brick power house, rein.-con. flooring, concrete foundation, on Classon Ave., to Gaye-Hosford Constr. Co., 299 Bway., New York City. About $60,000. Noted Jan. 23.

★**N. Y., Canajoharie**—Beechnut Packing Co. let contract building 4 story, rein.-con. building for conserve department and two 1 story buildings for manufacture of ginger ale, etc., to Aberthaw Constr. Co., 27 School St., Boston, Mass. About $25,000.

★**N. Y., New York**—Allenby Realty Corp., 448 East 167th St., will build 1 story, 48 x 278 ft., steel and brick garage, concrete foundation, on Tremont Ave. and Boston Rd., Bronx Boro. About $40,000. Work will be done by day labor.

★**N. Y., New York**—Chapwin Realty Co., 32 Liberty St., will build 1 story, 18 x 200 ft., steel and brick storage building, rein.-con. flooring, concrete foundation, at 446 West 56th St., by day labor. About $75,000. 512 West 56th St. Corp., lessee.

★**N. Y., New York**—Kohler & Campbell, 11th Ave. and 50th St., let contract building 5 story, 50 x 300 ft. brick and steel factory, rein.-con. flooring, concrete foundation, on 52nd St. and 12th Ave., to J. H. Riker, 352 West 26th St. About $40,000. Noted Jan. 30.

★**N. Y., New York**—A. Louy Co., 511 West 21st St., let contract building 2 story, 125 x 197 ft., rein.-con. and steel factory and garage, rein.-con. flooring, concrete foundation, to T. J. Murphy, 405 Lexington Ave. About $90,000. Noted Jan. 23.

★**N. Y., New York**—A. Ruth, 3rd Ave. and 168th St., will build 1 story, 125 x 176 ft. steel and brick garage, concrete foundation, Bronx Boro. About $40,000. Work will be done by day labor.

★**N. J., Elizabeth**—U. S. Leather Co., 17 Battery Pl., New York City, let contract building 2 story, 131 x 220 ft. rein.-con. warehouse, to Turner Constr. Co., 244 Madison Ave., New York City.

★**N. J., Newark**—Schofield Oil Co., Ave. R, let contract building 2 story, rein.-con., steel and brick cooperage shop, rein.con. flooring, concrete foundation, to F. Kilgus, Inc., 13 South 6th St. About $54,850.

★**N. J., New Brunswick**—Howe Rubber Co., Codwise Ave., let contract building 2 story, 76 x 106 ft. addition to plant, to Turner Constr. Co., 244 Madison Ave., New York City.

★**Pa., Boyertown**—Boyertown Burial Casket Co., 1211 Arch St., Phila., plans to build 1 story, 100 x 200 ft., rein.-con. and steel addition to woodworking plant by day labor. About $60,000.

★**Pa., Clifton Heights**—Clifton Yarn Mills let contract building 3 story, 65 x 130 ft. brick mill, concrete foundation, to Barclay, White & Co., 1713 Sanson St. About $60,000.

★**Pa., Phila.**—H. C. Derby Co., 425 Fairmount Ave., let contract building 2 story, 20 x 95 ft. addition to packing plant, rein.-con., to J. Sims Wilson Co., 1125 Brown St. About $25,000. Noted Feb. 13.

★**Ill., Chicago**—Melba Mfg. Co., 4237 Indiana Ave., let contract building 3 story, 65 x 65 ft., brick and timber addition to factory, brick foundation, to D. A. Crilly, 6242 Ellis Ave. About $25,000.

★**N. D., Jamestown**—Bridgeman-Russell Co. let contract building 2 story, 30 x 60 ft., brick addition to steam generator and condensing plant, rein.-con. flooring and concrete foundation, to Northern Constr. Co., Grand Forks, (time-material job).

★**Colo., Denver**—Gates Rubber Co., 999 South Bway., will build 4 story, 125 x 170 ft. factory, also 4 story, 90 x 140 ft. warehouse, both brick concrete, rein.-con. flooring, concrete foundation. About $200,000 each. Work will be done by day labor.

★**Ont., Toronto**—Dominion Government, Ottawa, let contract building 2 story, 60 x 150 ft. frame and stucco limb factory in connection with Military Orthopedic Hospital, to W. Williamson, Toronto. About $41,481. Noted Jan. 23.

Buildings

PROPOSED WORK

Mass., Boston—Armory—State Legislature petitioned to build armory in Dorchester Dist. Cost between $200,000 and $300,000.

Mass., Boston—Bank and Office—Boston Five Cent Savings Bank, School St., plans to build 5 story bank and office building. About $1,500,000.

Mass., Newton—Houses—C. W. Bixby, archt., 3 Beacon St., Boston, soon receives bids building 50 houses for workmen, welfare house for men and one for women, timber, on Chapel, Bridge and California Sts., Saxony-Worsted Mills, 49 Chapel St. (owner). About $180,000.

Mass., Sherborn—Prison—State Legislature, Boston, petitioned to appropriate $332,600 to remodel and improve Women's Prison here. E. C. Bagley, dir. prisons.

Buildings (Continued)

Mass., Springfield—Office—H. L. Sprague, archt., 310 Main St., receives bids in March remodelling building on Dwight St. into office for Baker Realty Trust Co., care of archt. About $75,000.

Mass., Springfield — School — Bd. Educ. plans to build 3 story, addition on Oakland St., to include assembly hall and gymnasium. About $200,000.

Mass., Worcester—Office—See "Industrial Works."

R. I., Newport—Auditorium—City plans to build auditorium and memorial hall on Thames St. F. P. Fulberton, clk.

R. I., Pawtucket—Auditorium—City plans to build memorial building and auditorium. About $100,000. H. A. Fuller, clk.

R. I., Pawtucket—Church—St. Jean Baptist congregation, 39 Quincy Ave., receives bids in spring rebuilding brick and stone, on Quincy Ave. to replace building recently destroyed by fire. About $100,000. Noted Oct. 31.

Conn., Bridgeport — Bank — Commercial Trust Co., care of J. A. Spafford, 886 Main St., purchased site at 1328-1334 Main St., and plans to build.

Conn., Bridgeport—Theatre—S. Z. Poli, 24 Church St., New Haven, plans to build 3 story, concrete, steel and brick, rein.-con. flooring and concrete foundation, on Main St., here. About $400,000. T. W. Lamb, 644-8th Ave., New York City, archt.

Conn., Danielson—Community House, etc. —Connecticut Mills Co., 175 Connecticut Mills Ave., plans to build community house on Plant St. to include auditoriums, smoking rooms, hospital, cafe and houses for employees. About $150,000.

Conn., Fairfield—Y. M. and Y. W. C. A. plans to build 2 story, 40 x 100 ft. combined building. Address C. W. Saunders, Center St.

Conn., Hartford — Auditorium — Horace Bushnell Memorial Hall Assn., 108 Gillett St., receives bids in spring building brick and stone, on Trinity St. and Capitol Ave. About $500,000. Helme & Corbett, 190 Montague St., Brooklyn, N. Y., archts. Noted Feb. 13.

Conn., Hartford—Hotel—Berenson & Meses, archts., 26 State St., receives bids in March building 5 story, 46 x 126 ft. brick, steel and timber apartment hotel, rein.-con. flooring, concrete foundation, on Farmington Ave., for N. Carabillo, 5 Edwards St. About $80,000.

Conn., Naugatuck—Y. M. C. A., Rockwell Ave., receives bids in March for 3 story brick, steel and timber building, rein.-con. flooring, concrete foundation, on Church St. About $80,000. H. L. Isbell, chn. L. W. Jallade, 37 Liberty St., New York City, archt. Noted Aug. 22.

Conn., New Britain—Fire House—City receives bids in spring building 2 story, in South End Sect. About $75,000. W. H. Hall, city engr.

Conn., New London—Business—B. A. Copp, trustee, 48 Bank St., plans to rebuild business building on Bank St., recently destroyed by fire. About $100,000.

Conn., Plainville—Stores, etc.—M. J. Unkelbach, archt., 162 Main St., New Britain, soon receives bids for 2 story, 60 x 135 ft., brick and concrete store building and bowling alleys, concrete foundation on Main St., for Neri Bros., 8 East Main St. About $50,000.

Conn., Torrington—Tneatre—Meyer & Rickert, 70 East Main St., plans to build moving picture theatre on site of old Strand Theatre. About $60,000.

Conn., Waterbury—Fire House—City receives bids in summer building in Bunker Hill Sect. About $50,000. R. A. Cairns, city. engr.

Conn., Waterbury—Fire House and Police Station—City receives bids in summer building fire house and annex for police station in Waterville Dist. About $75,000.

Conn., Waterbury—Theater—S. Z. Poli, 24 Church St., New Haven, receives bids about March, for 1 story, brick and steel, rein.-con. flooring and concrete foundation, here. About $500,000. T. W. Lamb, 644 8th Ave., New York City, archt. Noted Jan. 30.

N. Y., Brooklyn—Bank—Peoples Trust Co., 181 Montague St., having plans prepared by Ludlow & Peabody, archts., 101 Park Ave., New York City, for 4 story, steel and brick, concrete foundation, at 230-232 Flatbush Ave. About $75,000.

N .Y., Gouverneur—Theater, Temple, etc., Bldg. Com. Local Lodge of Foresters plans to build theater, temple, dancing and banquet halls, etc., marble and brick, on Clinton St., here About $50,000.

N. Y., New York—Restaurant—Mouquin Restaurant & Wine Co., 20 Ann St., having preliminary sketches prepared by W. E. Bloodgood, archt., 681 5th Ave., building at 147 Fulton St. About $100,000.

N. Y., New York—School—Bd. Educ., 500 Park Ave., purchased site on Hamilton Pl. and 141st St., Bronx Boro., and plans to build teachers training school. C. B. J. Snyder, Municipal Bldg., archt.

N. Y., New York—School—Bd. Educ., 500 Park Ave., soon lets contract building 2-story, 60 x 100 ft., steel and brick addition to P. S. No. 43, concrete foundation, on Brown Pl., and 136th St., Bronx Boro. About $70,000. C. B. J. Snyder, Municipal Bldg., archt.

N. Y., New York—Synagogue—Uptown branch of congregation Kalvirean Sons of Israel, 82 West 119th St., having plans prepared by Sommerfield & Steckler, archts., 31 Union Sq., for 1 story, 34 x 100 ft., steel and brick, concrete foundation. About $50,000.

N. Y., New York—Theater—City Realty Co., 176 Bway., having plans prepared by H. J. Krapp, archt., 114 East 16th St., for 2 story, 189 x 213 ft., steel and brick, concrete foundation, at 4819-4827 Bway. between 160th St. and Ft. Washington Ave. About $100,000. B. Cleveland, pres.

N. Y., Oswego—School—Bd. Educ. plans to build. About $75,000. J. M. Hurley, city clk.

N. Y., Troy—Market—Mohican Co., 280 Bway., New York City, receives bids about Mar. 10, building 3 or 4 story, 56 x 100 ft., steel and brick, concrete foundation, at 361 River St., here. Cost between $100,000 an $150,000. Noted Oct. 31.

N. Y., Watertown—Bank—Northern New York Trust Co., 118 Washington St., plans to reface and remodel 3 story, 30 x 100 ft. brick building adjoining its present office into bank. Cost between $50,000 and $60,000.

N. J., Elizabeth—Hospital—Crow, Lewis & Wickenhoefer, archts., 200-5th Ave., New York City, receive bids in spring, building 6 story, 33 x 75 ft., rein.-con. and brick addition, rein.-con. flooring, concrete addition, on East Jersey St., for Elizabeth Genl. Hospital. About $500,000. Noted Nov. 14.

N. J., Elizabeth—Office—L. F. & H. Hersh, 207 Broad St., plans to build 8 story, 75 x 110 ft., on Broad and East Grand Sts. About $250,000.

N. J., Glen Ridge—Memorial—Boro. will issue $62,500 bonds to build memorial building, probably on Herman St. and Bloomfield Ave. Total cost, $125,000; ½ of which will be raised by popular subscription.

N. J., Newark—Club—Y. M. H. A. having tentative plans prepared building here. About $75,000. B. T. Greenfield, chn. Publicity Com.

N. J., Newark—Fire and Police Stations —City sold $200,000 bonds to build fire and police stations. M. R. Sherrard, city engr. Noted Jan. 30.

N. J., Newark—Store—L. Bamberger & Co., Halsey and Market Sts., having plans prepared by J. Hunt, archt., 30 North Michigan Ave., Chicago, Ill., building about 15 story, rein-con., steel and brick, rein.-con. flooring, concrete foundation, on Market, Halsey, Bank and Washington Sts. About $1,500,000.

N. J., Secaucus—Insane Asylum—Hudson Co., (Jersey City), plans to build here. About $600,000. J. T. Rowland, Jr., 100 Sip Ave., Jersey City, archt.

N. J., West Orange—High School—Bd. Educ. considering construction of junior high school, on Gaston St. and Lindsley Ave.

Pa., Blairsville—Hospital, etc.—S. S. Richard, Altoona, plans to build hospital and group institutional buildings, near here, consisting of administration buildings, reservoir, auditorium, nurses homes, sewage disposal plant and morgue. F. McCrooks, Jones Law Bldg., Pittsburgh, archt. G. S. Idell, 34 South 16th St., Phila., consultg. archt.

Pa., Phila.—Hotel—F. V. Nichols, archt., 4400 Manayunk Ave., receives bids in 2 weeks, building 4 story, 68 x 106 ft. brick, on Darien and Catherine Sts., for F. Palumbo. About $60,000.

Pa., Pittsburgh—Community Building—First Baptist congregation, Bellefield Ave., plans to build community house and swimming pool. About $350,000.

Pa., Tarentum—Y. M. C. A., 117 East 7th Ave., plans campaign to raise $50,000 to construct additional building, including swimming pool.

Md., Baltimore—Library and Auditorium —Trustees Johns Hopkins Hospital, Keyser Bldg., having plans prepared by Archer & Allen, archts., 47 Central Savings Bank Bldg., for 3 story, 100 x 142 ft., steel and brick, rein.-con. flooring, stone and concrete foundation, on Broadway and Monument Sts., to be known as "Henry M. Hurd Bldg." About $100,000. Noted Jan. 30.

W. Va., Elkins—College—Trustees Davies and Elkins College plans to build group college buildings to include science hall, auditorium, gymnasium, laboratory, etc.

W. Va., Martinsburg—School—City will vote on Mar. 25th on $75,000 bond issue to build 2 story, brick.

N. C., Wilson—Home—Wilson Co. plans election to vote on $50,000 bond issue to build here.

Ga., Augusta—Theater — Lenox Amusement Co. had plans prepared by G. L. Preacher, archt., Johnson Bldg., for 30 x 160 ft., brick and rein.-con., steel trusses. About $60,000.

Fla., Miami—Hotel—G. A. McKinnon 1505 15th St., soon receives bids building 7 story, on Ave. C. About $50,000

Fla., Palatka—Schools—Bd. Pub. Instruction of Putnam Co. sold $85,000 bonds to build 2 schools.

Ala., Bessemer—Exchange—Amer. Telephone & Telegraph Co., Hurt Bldg., Atlanta, Ga., acquired 75 x 150 ft. site on 4th Ave. between 18th an 19th Sts., and plans to build 2 story, brick here About $60,000.

O., Cincinnati—Office and Store—Dixie Terminal Co., 1st Natl. Bank Bldg., soon lets contract building 9 and 10 story, 150 x 180 ft. office and store on 4th and Walnut Sts. Garber & Woodward, Union Century Bldg., archts. About $750,000.

O., Cleveland—Memorial—City plans to build brick, steel and rein.-con. memorial building for soldiers and sailors, rein.-con. flooring and concrete foundation, on Lakeside and Ontario Aves. About $300,000. Address M. Berbstein, 1442 East 105th St.

O., Cleveland—Mercantile—J. L. Free, 1005 Prospect Ave., having plans prepared by M. Dunning, archt., 1005 Prospect Ave., building 2 and 3 story, 80 x 200 ft., brick and steel, rein.-con. foundation, on Prospect Ave. and East 21st St. About $200,000.

O., Cleveland—Office—D. R. Hanna, 511 Leader News Bldg., plans to build 16-18 story, 199 x 210 ft., brick, steel and rein.-con., rein.-con. flooring and concrete foundation, on East 14th St. and Euclid Ave.

O., Cleveland—Theater and Office—J. Grossman, care of Standard Theater Co., East 9th and Prospect Sts., plans to build 6 story, 75 x 196 ft., brick, steel and rein.-con., rein.-con. flooring and concrete foundation, on Euclid Ave., near East 197th St. About $300,000.

O., West Unity—School—Bd. Educ. had plans prepared by Howard & Merriam, archts., 8 East Broad St., Columbus, building 3 story, 70 x 130 ft., brick and concrete. About $120,000.

Buildings (Continued)

Mich., **Flint**—Offices, etc.—L. F. Sunlin having plans prepared by G. Bachman, archt., building 3 story, 41 x 150 ft. brick and rein.-con. business block, to include offices, theatre and shops, tile and rein.-con. flooring, concrete foundation, on South Saginaw St. About $75,000.

Ill., **Chicago**—Bank and Office—State Bank of Chicago, 135 West Washington St., receives bids in spring of 1921, building 16 story 95 x 189 ft., steel and concrete bank and office, on La Salle and Monroe Sts. About $2,000,000.

Ill., **Chicago**—Infirmary—Comrs. Cook Co. plan to build at Oak Forest Infirmary to house 1000 adults. E. E. Hall, 11 South La Salle St., co. archt.

Ill., **Duquoin**—Hospital—Estate of Mrs. L. F. Browning, plans to build. About $200,000. Address M. Teague, trustee Browning Hospital.

Wis., **Racine**—Bank and Office—Racine City Bank, 1345 Washington Ave., having plans prepared by Van Ryn & De Gelleke, archts., 114 Grand Ave., Milwaukee, building 2 story, 40 x 82 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation. About $70,000. Noted Jan. 2.

Wis., **Superior**—Auditorium—City plans to build 2 story, 100 x 140 ft. About $100,000. E. B. Banks, city engr. Noted Apr. 18.

Wis., **Superior** — Church and School — Sacred Heart Cathedral plans to build. About $150,000. V. Meagher, 1201 Hughitt Ave., pastor.

Wis., **Superior**—Hall—Royal Order of Moose plans to build. About $50,000.

Wis., **Superior** — School — City receives bids in April building 2-story, 80 x 200 ft., with wing 1-story, 56 x 70 ft., on 21st St. between Lamborn and Weeks Sts. About $200,000. Tweed & Kerr, 534 Metropolitan Bank Bldg., Minneapolis, Minn., engrs.

Wis., **Wauwatosa** — Grade School — Bd. Educ. receives bids in spring building 2 story, concrete, brick and steel, rein.-con. flooring, concrete and brick foundation, on Wauwatosa Ave. About $50,000. E. O. Kuenzli, 151 Warren Ave., archt.

Ia., **Menlo**—School—Bd. Educ. having plans prepared by Keffer & Jones, archts., 610 Youngerman Bldg., Des Moines, building rein.-con. and brick. About $75,000.

Ia., **Pella** — Memorial — Central College having preliminary plans prepared by J. Verhey, archt., Pella, building brick and stone. About $75,000.

Ia., **Sioux City**—Infirmary—Comrs. Woodbury Co. receive bids about Mar. 5 building 2-story, 40 x 140 ft., rein.-con. and brick, on Danbury Rd. About $100,000. W. L. Steele, 502 United Bank Bldg., archt.

Ia., **Tama**—Hotel—Hotel Assn., c/o H. Cherry, secy., Commercial Club, plans to build here. About $75,000.

Minn., **Cloquet**—Church—St. Andrews Episcopal congregation receives bids about Apr. 1 building 2 story, brick, rein.-con. flooring, concrete and rock foundation, on Arch St. About $75,000. C. I. McNair, chn. bldg. com.

Minn., **Duluth**—Church—Grace Methodist congregation plans to build 2 story, 70 x 140 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation on 3rd St. and 26th Ave. About $75,000. J. G. Schalbly, pastor.

Minn., **St. Paul**—Library—City having plans prepared by C. A. Hausler, engr., City Hall, building 1 story, brick memorial library on Minnehaha Ave., east of Snelling Ave. About $70,000.

Minn., **St. Paul**—Store—Silverman Bros., 150 North Concord St., receives bids in spring building 5 story, 75 x 120 ft. department store, at 149 North Concord St. About $75,000.

Kan., **Wichita**—School and Rectory—St. Mary's Cathedral Parish plans to build 124 x 167 ft., brick and stone school to cost $70,000; rectory, $30,000.

Neb., **Omaha** — **University** — See "Industrial Works."

Neb., **Ingleside**—Hospital—State Legislature, Lincoln, petitioned to appropriate $125,000 to construct and equip hospital here.

N. D., **Bismarck**—Mansion—State plans to build Governor's Mansion here. About $140,000.

Mont., **Butte**—School—School Bd. had plans prepared by W. Smith, archt., Butte, building 1 and 2 story, on Gallatin St. and Shields Ave., to replace Jefferson School. Cost between $65,000 and $74,000.

Mont., **Helena**—Capitol—Senate Com. on Pub. Bldgs. introduced bill in State Legislature providing for issuance of bonds for refacing main capitol building with Montana granite and remodeling and refurnishing interior. About $250,000.

Mo., **Fulton**—Hospital—Bd. Trustees Calloway Co. having plans prepared building here. About $75,000. Noted Jan. 23.

Mo., **St. Louis**—Theater, Stores, etc.—S. Hamburg, Jr., mgr., Belt Investment Co., 2407 North B'way., receives bids about Apr. 1, for 6 story, 115 x 465 ft., brick, rein.-con. and steel, rein.-con. flooring, concrete foundation, on Delmar and Clara Aves. Kennerly & Stiegmeyer, Benoist Bldg., archts. Noted Dec. 12.

Mo., **Webster Groves** (St. Louis P. O.)—Club House—Algonquin Golf Club having plans prepared by E. C. Klipstein, archt., Chemical Bldg., St. Louis, building here. About $60,000. E. O. Hale, pres. Noted Jan. 23.

Tex., **Ft. Worth**—Temple—Beth-El congregation had plans prepared building here. About $75,000. G. Fox, rabbi.

Colo., **Boulder**—Administration, Social Center, Dormitories, Liberal Arts, etc.—State having plans prepared by Day & Klauder, archts., 925 Chestnut St., Phila., Pa., for 16 buildings on College Campus. About $2,000,000.

Colo., **Greeley**—Bank—Union Natl. Bank, 8th Ave. and 8th St., having plans prepared by Roeschlaub & Fuller, archts., 310 Foster Bldg., Denver, for remodelling bank here. About $70,000.

Idaho, **Boise**—School—Independent School Dist. No. 1 having plans prepared by Wayland & Fennell, archts., Idaho Bldg., building 2 story, brick, concrete foundation, on East Bannock St. Cost, including equipment, $90,000. Bonds voted for project. Noted Sept. 26.

Ida., **Caldwell**—High School—School Dist. having plans prepared by Wayland & Fennell, archts., Idaho Bldg., Boise, building 2 story, concrete and brick, rein.-con. flooring, concrete foundation. About $75,000. Bonds voted for project.

Idaho, **Nampa**—Hospital—Tourtellote & Hummel, archts., Overland Bldg., Boise, receive bids about Mar. 5, building 40 x 152 ft. brick, concrete foundation, for Sisters of Mercy. Cost between $50,000 and $60,000.

Utah, **Ogden**—Offices, etc.—City and Weber Co. having plans prepared by C. Woods, archt., 1st Natl. Bank Bldg., building rein. con. and steel building, containing offices courts, library, jail and auditorium. Abou $250,000.

Ariz, **Tucson**—School—Bd. Supervs. Pim Co. plans to build. About $300,000. Address E. Randolph.

Ore., **Corvallis**—Laboratory, etc.—State Legislature, Salem, granted following appropriations to Oregon Agricultural College here: remodeling barracks, $15,000; general maintenance, $157,566; building engineering laboratory, $60,000; extension work, $38,530; experiment stations for Clatsop and Hood Counties, $28,000.

Ore., **Portland**—Exposition—Pacific International Livestock Assoc. plans to build exposition building on 7½ acre site, consisting of 200 x 300 ft. amphitheatre with 100 x 200 ft. show ring, etc. Total cost about $250,000. O. M. Plummer, mgr., chamber of commerce.

Cal., **Los Angeles**—Hotel—T. F. Curtis, 671 South Coronado St., having plans prepared by H. Albright, archt., 553 Laughlin Bldg., for 12 story, 175 x 250 ft., rein.-con., on 6th St., near Westlake Park. About $1,250,000.

Cal., **Oakland**—Temple and Hotel—Oakland Labor Temple Assn. plans to build 10-story, on Bway., between 17 and 18th Sts. About $750,000. G. C. Davis, mgr.

Cal., **Wasco**—School—Wasco School Dist. plans election to vote on $60,000 bonds to build 2 story, 146 x 182 ft., grammar school. J. M. Saffell, 16-17 New Fish Bldg., Bakersfield, archt.

N. S., **Sydney**—Bank—Canadian Bank of Commerce, 23 King St., W., Toronto, Ont., having plans prepared for building here. About $70,000.

N. B. **Fredericton**—Memorial Hall, etc.—University of New Brunswick plans to build memorial hall and laboratories. About $75,000. C. C. Jones, chancellor.

B. C., **Point Grey**—Schools—School Bd., Municipal Hall, Kenisdale, plans to build two 3 story, rein.-con. and brick, concrete foundation, Shaughnessy Dist. About $80,000 each. R. P. S. Twizell, 837 Hastings St., W., Vancouver, archt.

BIDS DESIRED

N. Y., **Brooklyn**—Hospital—Until Feb. 28 (change of date), by Bushwick Maternity Hospital, 761 Bushwick Ave., building 4 story, 75 x 100 ft., steel and brick, concrete foundation, on Bushwick Ave. and Cedar St. About $70,000. Carlson & Wiseman, 226 Henry St., archts. Noted Jan. 2.

N. Y., **Brooklyn**—School—Until Feb. 29, by Bd. Educ., 500 Park Ave., New York City, building P. S. No. 29, 5 story 118 x 192 ft., steel and brick, concrete foundation, Henry and Harrison Sts. About $543,474. C. B. J. Snyder, Municipal Bldg., New York City, archt. Noted Feb. 6.

N. Y., **Far Rockaway** — Theater — Until Feb. 24, (change of date) by T. W. Lamb, archt., 644 8th Ave., New York City, building 1 story, 44 x 250 ft., steel and brick, concrete foundation, on Central Ave., for Far Rockaway Strand Theater Co., 47th St. and B'way, New York City. About $100,000. Noted Feb. 13.

Pa., **Johnstown**—School—Until Mar. 17, by Bd. Dirs. School Dist., for building main school building and boiler house for group of 6 buildings known as William A. Cochran School, in 8th ward. C. H. Meyer, secy.

Ill., **Chicago**—Store and Office—Holabird & Roche, archts., 104 South Michigan Ave., receiving bids building 6 story, 27 ft. 9 in. x 108 ft., brick and steel, rein.-con. flooring and concrete foundation, at 127-129 South State St., here, for L. E. Waterman & Co., 191 Bway., New York City. About $175,000.

Tex., **Dallas**—School—Until Mar. 14, by W. B. Ittner, archt., Bd. Educ. Bldg., St. Louis, Mo., building 2nd unit Oak Cliff High School, to include auditorium, art rooms, music rooms, restrooms, lunchrooms, etc. About $200,000.

Ariz., **Humboldt**—School—Until Mar. 14, by A. H. Nelson, clk. bd. educ., building school here. R. N. Lamberth, Hotel St. Michael, Prescott, archt.

Cal., **Firebaugh**—School—Until Mar. 1, by T. E. Brown, clk. bd. educ., building school here. A. Johnson, Kingsburg, archt.

Cal., **Quincy**—Court House and Jail—Until Apr. 7, by Bd. Supervs. Plumas Co., building 4-story, rein.-con., rein.-con. flooring, concrete foundation. G. C. Sellon, Mitau Bldg., Sacramento, archt.

Man., **Winnipeg**—Dormitories, Barrack Room, etc.—Until Mar. 4, by Dept. Pub. Wks., Ottawa, Ont., constructing buildings at Military Hospital at Tuxedo Park consisting of 3 story "H" shaped dormotories with two 33 x 108 ft. side wings and 40 x 63 ft. connecting wing, stucco, on concrete foundation; 2 story, 61 x 132 ft. stucco barrack room, concrete foundation; 2 story, 86 x 94 ft. stucco recreation building on concrete piers; 3 story, 37 x 97 ft., timber and stucco medical officers residence, concrete foundation; 2 story 30 x 53 ft., timber and stucco storage building, concrete piers. About $190,000. Address R. C. Wright.

Buildings (Continued)

Alta., Edmonton — Administration, etc.—Until Feb. 24, by A. G. McKay, minister of municipal affairs, Parliament Bldgs., constructing administration and service buildings, infirmary, 3 pavilions, power house and tunnels, near Keith Sta.

B. C., Esquimalt—Hospital—Until Mar. 18, by Dept. Pub. Wks., Ottawa, Ont., building two 2 story, 80 x 100 ft. and one 1 story, 50 x 90 ft. additions to Military Hospital here to form 2 new active treatment pavilions, with additional story to Hydrotheropenic Building. About $150,000. R. C. Wright, archt.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. Y., New York**—Bank—Brown Bros. & Co., 59 Wall St., let contract building 4 story, 44 x 88 ft., steel and brick, concrete foundation, at 81-83 Beaver St., to M. Eidlitz & Son, 30 East 42nd St. About $150,000.

★**N. Y., New York**—Bank—M. A. Hoyt, 28 East 36th St., let contract altering office building at 40-44 Pine St., into bank, brick and limestone, concrete foundation, to M. Eidlitz & Son, 30 East 42nd St. About $300,000. Mercantile Bank of Amer., 38 Pine St., lessee.

★**N. Y., New York**—Bank—New York Stock Exch., Broad St., let contract altering 3 story, brick and steel, at 170 Bway., to G. Richter, 100 William St. About $50,000. Zimmerman & Forshay, 9 Wall St., lessee.

★**N. Y., New York**—Home—Daughters of Jacob, 157th St., Findlay and Tuller Aves., let contract building 5 story, 100 x 150 ft., steel and brick, brick foundation, in Bronx Boro., to G. R. Davis & Co., 30 East 42nd St. About $600,000.

★**N. Y., New York**—Office—Estate of R. S. Clark, 19 Liberty St., let contract building 4 story, 25 x 100 ft., steel and brick, concrete foundation, at 89 Maiden Lane, to J. Kennedy & Co., 1133 Bway. About $50,000. Natl. Surety Co., 115 Bway., lessee. Noted Jan. 16.

★**N. Y., New York**—Office—E. K. Stalle Estate let contract building 30 story, 51 x 99 ft., steel and brick addition, concrete foundation, on 42nd St. between Bway. and 7th Ave., to Subway Central Bldg. Corp., 1482 Bway. About $1,500,000. United Land & Stores Co., 44 West 18th St., lessee.

N. Y., New York—Schools—Bd. Educ., 500 Park Ave., received bids building (a) P. S. 6, 5 story, 60 x 142 ft., brick and steel, concrete foundation, Tremont and Bryant Aves.; (b) P. S. 57, 5 story, 118 x 192 ft., steel and brick, concrete foundation, Crotona Ave. and 181st St., Bronx Boro. Lowest 3 were Nugent Constr. Co., Park Ave., (1) $218,080, (b) $456,282; T. A. Clark Co., (a) $206,000, (b) $510,300; P. J. Brennan & Sons, (a) $243,000, (b) $476,000. Noted Feb. 6.

★**N. J., Newark**—Market—Coöperative Market Co., 28 Peshine Ave., let contract building 1- and 2-story, 206 x 300 ft., concrete, steel and brick rein.-con. flooring, concrete foundation, on Hunterdon St. and 15th Ave., to F. Fatzler Co., 810 Broad St. About $300,000.

★**Pa., Phila.**—Fire and Police Stations and Stable—Dept. Pub. Safety, let general contract building and completing 1 and 2½ story, 96 x 98 ft. and 46 x 103 ft. fire house, police station and stable, on 24th and Ritner Sts., to F. G. Stewart, 1619 Sansom St., $289,000; heating to C. E. Monday & Co., 1318 Olive St., $31,820; electric work, to Electro Constr. Co., Commercial Trust Bldg., $12,985. Noted Feb. 13.

★**Md., Canton** (Baltimore P. O.)—See "Miscellaneous."

★**Va., Richmond**—Bank—Federal Reserve Bank let contract building 5 story, 100 x 110 ft., concrete, steel and brick, concrete foundation, to J. T. Wilson, Fulton St. About $350,000. Noted Dec. 19.

Federal Government Work

PROPOSED WORK

Mass., Hingham—Fire Protection System Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to install, here; Spec. 3808. About $200,000.

N. Y., Iona Island—Power Plant Extension—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build, here; Spec. 3809. About $30,000.

N. Y., Oswego—Dredging—Amendment to Rivers & Harbors bill has been passed providing $300,000 to improve Oswego Harbor. Work involves additional dipper or shell dredging and lengthening concrete breakwater.

N. Y., Syracuse—Post Office—U. S. Government plans to build here. About $1,000,000.

N. Y., Rockaway—Seaplane Hangar—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build, here; Spec. 3811. About $55,000.

N. J., Lake Denmark—Lighting System—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to install, here; Spec. 3807. About $50,000.

N. J., Newark—Aero Hangars, etc.—U. S. Government plans to build aero hangars, shops, etc. at Forest Hill. About $125,000.

Pa., Phila.—Storage Shed and Railroad Track—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build temporary steel storage shed and railroad track here; Spec. 3810. About $200,000.

D. C., Wash.—Road Work—U. S. Dept. of Agriculture plans to build roads throughout various states through Highway Depts. About $209,000,000 will be expended for project.

Va., Norfolk—Ward—Bureau Yards & Docks, Wash., D. C., plans to build pneumonia ward here; Spec. 3806. About $82,000.

S. C., Paris Island—Extension to Fresh Water System—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build; Spec. 3805. About $12,000.

Ia., Iowa City—Post Office—House Com. on Pub. Bldgs. & Grounds Comn., Wash., D. C., authorized appropriation of $100,000 to build post office here.

Mo., St. Louis—Office—House Com. on Pub. Bldgs. & Grounds, Wash., D. C., passed amendment authorizing construction of 119 x 152 ft., sub treasury building, 4th and Chestnut Sts. About $1,000,000.

Tex., San Antonio—Addition to Federal Building—Local Postmaster applied to Congress for appropriation of $250,000 for addition to Federal Building on Ave. D and Houston St.

Ore., Astoria—Building House—Com. on Pub. Bldg & Grounds., Wash., D. C., considering bill for an appropriation of $150,000 for federal building here.

The following are appropriations for post-offices and courthouses, some new, others enlargements and still others are for additional funds on post offices for which bids have been opened recently but no awards made owing to insufficient funds.

		Approximate Appropriation
Post office and other government offices	Akron, O.	$686,725
Post office and courthouse	Alexandria, La.	90,000
Post office	Andalusia, Ala.	15,000
Post office	Amherst, Mass.	25,000
Post office	Athens, Tenn.	10,000
Post office	Bath, Maine	10,000
Immigration station	Boston, Mass.	100,000
Post office	Buffalo, Wyo.	9,500
Post office	Bakersfield, Cal.	35,000
Post office	Branford, Conn.	5,000
Post office	Bluffton, Ind.	6,500
Post office	Bayonne, N. J.	100,000
Post office	Belle fourche, S. D.	6,500
Post office	Chicago, Ill.	4,250,000
Post office	Coeur D'Alene, Idaho	163,200
Post office and courthouse	Cordova, Alaska	100,000
Post office	Clinton, Ind.	2,000
Post office	Carroll, Iowa	5,000
Post office	Cherokee, Iowa	14,000
Post office	Caribou, Maine	30,000
Post office	Cheboygan, Mich.	13,000
Post office	Central City, Neb.	35,000
Post office (additional funds)	Cohoes, N. Y.	28,600
Post office (additional funds)	Chandler, Okla.	9,500
Post office (additional funds)	Clinton, S. C.	5,500
Post office (additional funds)	Chamberlain, S. D.	1,000
Post office and courthouse	Chattanooga, Tenn.	55,000
Post office	Comanche, Tex.	13,000
Post office	Decatur, Ala.	5,500
Post office and courthouse	Durango, Colo.	250,000
Post office	Dawson, Ga.	5,000
Post office	Des Moines, Iowa	350,000
Post office	Donora, Pa.	20,000
Post office	Dubois, Pa.	35,000
Post office	Denton, Tex.	38,000
Post office	East Orange, N. J.	95,000
Post office	Eureka, Utah	35,000
Post office and courthouse	East Las Vegas, N. Mex.	15,000
Post office	Franklin, Pa.	29,000
Post office	Front Royal, Va.	8,000
Post office	Fort Fairfield, Maine	22,000
Post office	Fairmont, Minn.	10,000
Post office	Fayette, Mo.	5,000
Post office	Fallon, Nev.	16,500
Post office	Fort Plain, N. Y.	10,000
Post office	Fremont, O.	33,000
Post office	Franklin, Tenn.	11,200
Post office	Globe, Ariz.	27,500
Post office	Geneseo, Ill.	15,000
Post office	Goldfield, Nev.	15,000
Post office	Gilmer, Tex.	5,000
Post office	Hinton, W. Va.	15,000
Post office	Honolulu, Hawaii	500,000
Post office	Hastings, Mich.	5,500
Post office	Holly Springs, Miss.	11,500
Post office	Harrisonville, Mo.	26,500
Post office	Hoosick Falls, N. Y.	8,500
Post office	Hondy Grove, Tex.	10,000
Post office	Jamestown, N. D.	85,000
Post office	Juneau, Alaska	450,000
Post office	Jerseyville, Ill.	21,500
Post office	Kenosha, Wis.	95,000
Post office	Kenton, O.	26,000
Post office	Lancaster, S. C.	19,000
Post office	Leominster, Mass.	50,000
Post office	Long Island City, N. Y.	100,000
Post office	Lewistown, Pa.	6,500
Post office	Liberty, Mo.	6,000
Post office	Millville, N. J.	75,000
Post office	Muscogee, Okla.	50,000
Post office	Memphis, Tenn.	630,000
Post office	Marianna, Ark.	3,000
Post office	Mystic, Conn.	84,000
Post office	Metropolis, Ill.	10,000
Post office	Mount Carmel, Ill.	M.00
Post office	Malden, Mass.	135,000
Post office	Midland, Mich.	2,000
Post office	Mount Pleasant, Mich.	16,500
Post office	Montevideo, Minn.	10,000
Post office	Montclair, N. J.	40,000
Post office	McKees Rocks, Pa.	20,000
Post office	Mount Pleasant, Tex.	10,000
Post office	Madison, Wis.	525,000
Post office	Monroe, La.	80,000
Post office	North Vernon, Ind.	15,000
Post office	Newburyport, Mass.	25,000
Post office	Olyphant, Pa.	30,000
Post office additional funds (bids have been opened)	Orange, Tex.	10,000
Post office	Oconto, Wis.	6,800
Post office and courthouse	Paris, Tex.	65,000
Post office	Park City, Utah	22,000
Post office	Prescott, Ark.	10,000
Post office	Putnam, Conn.	35,000
Post office	Phoenixville, Pa.	50,000
Post office	Pittston, Pa.	25,000
Post office	Rockingham, N. C.	5,000
Post office	Russellville, Ark.	17,500
Post office	Red Bluff, Cal.	20,000
Post office	Rochester, Ind.	27,000
Post office	San Luis Obispo, Cal.	42,500
Post office	San Pedro, Cal.	80,000
Post office	Sand Point, Idaho	25,000

BIDS DESIRED

N. Y., Charlotte—Boathouse, etc.—Until Mar. 12, by C. E. P. Bertholf, commandant U. S. Coast Guard, Bond Bldg., Wash., D. C., building boathouse and accessories at Coast Guard Sta. 233, here; advertised in this issue.

N. Y., Ft. Lafayette—Dredging—Until Feb. 24 by Bureau Yards & Docks, Navy Dept., Wash., D. C., dredging here; Spec. 3579. About $26,000. Noted Feb. 6.

Federal Government Work (Continued)

D. C., Wash.—Sidewalks—Until Mar. 3, by Dist. Comrs., Dist. Bldg., laying cement sidewalks here.

Va., Hampton Roads—Grandstand and Bleachers—Until Feb. 24, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building here; Spec. 3795. About $64,500. Noted Feb. 6.

W. Va., Martinsburg—Plumbing—Until Feb. 27, by J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., installing in post office, not for construction as stated in our issue of Feb. 13.

S. D., Rapid City—School and Assembly Hall—Until Mar. 10, by C. Sells, comr. Indian Affairs, Wash., D. C., building school and assembly hall here.

Mo., St. Louis—Enlarging Levees—Until Mar. 12, by Secy. Mississippi River Comn., 1311 International Life Bldg., building 450,000 cu.yd. earthwork in Sny Island Levee D. D., Illinois; advertised in this issue.

Tex., North Ft. Worth—Argon Production Plant—Until Mar. 10, by Bureau Yards & Docks, Navy Dept., Wash., D. C., developing argon production plant. Plans include construction of buildings, water system, etc.; Spec. 3800. About $607,250. Note Feb. 13.

Tex., North Ft. Worth—Cooling Pond—Until Feb. 24, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building at argon production plant, here; Spec. 3700. About $15,000. Noted Dec. 5.

Okla., Woodward—Post Office, etc.—Until Mar. 19, by J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., building post office and courthouse.

Cal., Mare Island—Structural Shop—Until Mar. 10, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building steel structural shop, concrete or wood pile foundation; Spec. 3691. About $1,450,000. Noted Feb. 6.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

N. H., Portsmouth—Piping and Circulating System—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Feb. 17, installing in power house at Navy Yard, here, from Carroll Electric Co., 714 12th St., Wash., D. C., $42,800; J. W. Danforth, 20 Ellicott Sq., Buffalo, N. Y., $42,986; Rideout, Chandler & Joyce, 178 High St., Boston, Mass., $44,158. Noted Jan. 30.

★**Mass., Boston**—Steel Stack and Storage Shed—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building here, to G. A. Fuller Co., 131 State St. About $73,920 (150 days). Noted Jan. 30.

N. Y., New York—Chimney—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Feb. 10, building radial block chimney at Navy Yard here, (1) price and time (work complete) according to plans and specification, (2) price and time (work complete) according to plans and specifications with such modifications as bidder may desire provided all such exceptions shall be explicitly stated in proposal, from M. W. Kellogg Co., 90 West St., (1) $14,440 (90 days); (2) $13,940 (90 days); H. R. Heinecke, Inc., 147 4th Ave., (1) $14,925 (90 days); alternate $12,800 (90 days); A. Custodus Chimney Co., 95 Nassau St., (1) $15,200 (100 days); (2) $13,040 (100 days); (2a) $350. Noted Jan. 30.

N. Y., New York—Coal and Ash Handling Equipment—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Feb. 10, installing in extension to central power plant at Navy Yard, here.

(1) net price and time for coal bunker, complete, in accordance with drawings and specifications.

(1a) net price and time for coal bunker, complete based on alternative form of bunker.

(2) net price and time for complete ash and soot ejector system including all accessories and connections, complete in accordance with drawings and specification.

(3) net price and time for the belt conveyor, tripper and appurtenances, coal valves, soot valves, traveling coal larries, coal crusher, apron feeder, hoppers, elevator, housings, chutes, and all other requirement not covered in (1 or 2) complete in accordance with the drawings and specification.

(3a) net price and time for equipment contemplated in (3) but based on alternative automatic scale type of larry, from Guarantee Constr. Co., 140 Cedar St., (1) $9,925 (150 days); (2) $6985 (150 days); (3) $24,460 (150 days).

R. H. Beaumont Co., 315 Arch St., Phila., Pa., (1) $15,000 (120 days); (1a) $13,900 (120 days); (1b) $12,250 (120 days); (3) $21,500 (120 days); (4) $33,000 (120 days).

Link Belt Co., Nicetown, Phila., Pa., (1) $15,250; (1a) $16,445 (130 days); (3) $26,100 (130 days).

C. Meads & Co., 38 Park Row, (combined bid) $64,200—Items 1, 2 and 3. Noted Jan. 30.

★**N. Y., Wards Island**—Laundry Equipment—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract installing laundry equipment at Naval Hospital, here, to Amer. Laundry Machy. Co., 134 West 37th St., New York City. About $14,162 (45 days). Noted Jan. 30.

N. Y., Wards Island—Refrigerating Plant Equipment—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Feb. 10, installing at Naval Hospital Reservation, (work complete) from Vilter Mfg. Co., 873 Clinton St., Milwaukee, Wis., $20,935; Frick Mfg. Co., West Main St., Waynesboro, Pa., $21,074 (93 days); Mayer Ice Machine & Eng. Co., 315 Grant Ave., Jersey City, N. J., $21,192 (60 days). Noted Jan. 30.

Pa., Phila.—Additions to Crane Runways—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Feb. 17, building for bulkhead handling and storage shipbuilding slips Nos. 2 and 3, at Navy Yard, here:

(1) structural steel for high tower construction, slip No. 2—consisting of 100 ft. extension (inboard) to existing high crane runway over shipbuilding ways No. 2, simllar in design and detail to existing structure, except that there shall be proved cantilever construction at inboard and carrying runways for all cranes approximately 39 ft. beyond center of existing end tower. Also modification will be required in design of westerly end tower, and wind truss located on west side of westerly truss for 40-ton crane runway;

(2) structural steel for low runway construction Slip No. 3—consisting of approximate 574 ft. of low crane runway designed for two 15-ton cranes of approximately 50 ft. lift and 152 ft. span, extending inboard from inboard end of existing structure over ship building ways No. 3, columns (or dwarf towers) and crane trusses for 100 ft. span immediately adjoining existing high crane runway to be so designed as to permit being utilized in future extension of existing high crane runway over shipbuilding ways inboard 100 ft. Also cantilevers on inboard end of existing high structure over ways, carrying runways for all cranes inboard for a distance of approximately 39 ft. beyond center of existing end towers. These cantilevers shall be so designed and detailed that they may be removed and replaced in a corresponding location when runway over slip No. 3 is extended by a 100 ft. bay as outlined above. Provision shall also be made for connection between proposed and existing structures, from Amer. Bridge Co., M St., S. E., between 3rd and 4th Sts., (1) $124, (2) $119; McClintic Marshall Co., Munsey Bldg., (1) $169, (2) $148; both contractors of Wash., D. C. Noted Feb. 6.

★**Pa., Phila.**—Fence and Shelter Terminal Station—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building, here, to Turner Concrete Steel Co., 1737 Sansom St., $12,950 (40 days). Noted Jan. 23.

★**Md., Indianhead**—Boat Basin and Wharf Bulkhead—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building small boat basin and wharf bulkhead, to McLean Constr. Co., 1415 Fidelity Bldg., Baltimore, $38,900 (100 days). Noted Feb. 6.

D. C., Wash.—Bridge—Dist. Comrs., Dist. Bldg., received bids building concrete encased steel plate girder bridge on South Dakota Ave. over tracks of Baltimore & Ohio R.R., involving (1) 550 cu.yd. excav.; (2) abutments, piers and bridge complete, excepting (1), from C. H. Tompkins, 1333 3rd St., N. W., (1) $3, (2) $32,400; McLean Contg. Co., 1415 Fidelity Bldg., Baltimore, Md., (1) $4.75, (2) $33,377; F. J. Boas, 201 North Broad St., Phila., Pa. (1) $2, (2) $34,800. Noted Jan. 16.

Va., Hampton Roads—Coal and Ash Handling Equipment—Bureau Yards, Navy Dept., Wash., D. C., received bids Feb. 10, installing here:

(1) Net price and time for coal bunker and ash bunker with supports, complete, in accordance with drawings and paragraphs 35 and 36 of this specification.

(1a) Net price and time for coal and ash bunkers based on alternative form of bunkers, ash bunker shall be lined with concrete in any type proposed.

(2) Net price and time for coal valves, ash valves, traveling coal larries, coal crusher and accessories, elevator, conveyor, ash cars, track and valves and skip hoist, complete in accordance with drawings and specification.

(2a) Net price and time for equipment contemplated in (2), but based on the alternative automatic scale type of larry, from Guarantee Constr. Co., 140 Cedar St., New York City, (1a) $22,880; (2) $32,970, (150 days).

Link Belt Co., Nicetown, Phila., Pa., (1) $26,200; (1a) $19,500; (3) $49,500 (150 days).

R. H. Beaumont Co., 315 Arch St., Phila., Pa., (1) $21,500; (1a) $20,200; (1b) $18,150; (2) $30,000; (2b) $26,000; (3) $42,500, (120 days).

J. E. Granbury, 15 Fleming Bldg., Wash., D. C., (1) $27,200; (2) $39,835; (2a) deduct $2000, time as specified. Noted Jan. 30.

Va., Hampton Roads—Mechanical Equipment and Piping—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids installing in central power plant, at Naval Operating Base, (1) work complete, (2) amount deducted from (1) furnishing, but not installing feed water heater, storage tank, pumps and certain steam exhaust, boiler feed and drip piping in connection with above equipment, to points indicated on drawings, from H. F. Friedstedt, 327 South La Salle St., Chicago, (1) $4898 (50 days); (2) $14; Rust Eng. Co., Farmers Bank Bldg., Pittsburgh, Pa., (1) $6840 (30 days); (2) $19. Noted Jan. 30.

★**Va., Portsmouth**—Fire Escapes and Doors—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building 3 steel fire escapes and 5 doors in main hospital building, Naval Hospital Reservation, to Wisconsin Iron and Fire Wks., 1660 Booth St., Milwaukee, Wis. About $12,841. (60 days.)

★**Va., Quantico**—Tanks—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building 2 rein.-con. tanks, in Marine Corps Barracks, here, to H. F. Friestedt Co., 327 South La Salle St., Chicago, Ill. About $4898 (50 days). Noted Jan. 30.

★**Ga., Savannah**—Additional Buildings—Constr. Div., War. Dept., Wash., D. C., let contract building 6 additional buildings at U. S. Quarantine Sta., to E. Morgan, Savannah, $94,573.

Miscellaneous

PROPOSED WORK

Drydock, etc.—Boston, Mass.—Boston Dry Dock & Constr. Co. plans to build drydock, repair basins and shops. About $5,000,000.

Station—Boston, Mass.—City petitioned Senate to authorize expenditure for preliminary plans to build subway station in Boylston St. subway. About $100,000.

Seawall—Cambridge, Mass.—State Legislature, Boston, petitioned to authorize Metropolitan Park Comn., 18 Tremont St., Boston, to rebuild seawall of Broad Canal. About $35,000.

Playgrounds—Lynn, Mass.—State Legislature, Boston, petitioned to appropriate sum complete and improve playground along shore Lynn Harbor, to include construction public boat landing. Cost to exceed $10,000.

Wharf—Lynn, Mass.—See "Excavation and Dredging."

Fill—Bridgeport, Conn.—City appropriated $10,000 for filling in west of Barnum Dyke at Seaside Park. J. A. McElroy, city engr.

Miscellaneous Supplies—New Haven, Conn.—City soon lets contract furnishing blue stone, yellow pine, cement, sewer castings, crushed stone, vitr. sewer pipe and granite catch basin, for 1 year from Mar. 1. F. L. Ford, city engr.

Miscellaneous (Continued)

Dam—Chaumont, N. Y.—F. J. Heath and S. J. Heath, plan to build timber dam across Horse Creek with 5 x 20 ft. concrete flume 450 ft. long, and head gate, also install water wheel to operate hay press manufacturing plant. About $20,000.

Fenders—Jersey City, N. J.—Hudson Co. having plans prepared installing fenders on Passaic and Hackensack River bridges on Lincoln Highway. About $20,000.

Swimming Pool—Pittsburgh, Pa.—See "Buildings."

Tunnel—Pittsburgh, Pa.—City plans to build double-track street car tunnel to drop underground at 5th Ave. and Chatham St., under 5th Ave., to 6th, Liberty, Market and 3rd Aves., to Ross St. and along Ross St. to 6th Ave., closing the loop. About $6,000,000. N. S. Sprague, City County Bldg., city engr.

Swimming Pool—Tarentum, Pa.—See "Buildings."

Dry Docks, etc.—Baltimore, Md.—See "Industrial Works."

Electric Conduit System—Baltimore, Md.—City Electrical Comn., City Hall, plans to extend electric conduit system in city's new annex, first work to be done in Highlandtown and Canton Dists. Will also build trunk lines from old city line on Belair and Harford Rds. and Greenmount Aves., Falls Rd. to Mt. Washington Ave., Park Heights Ave., from Mt. Washington to Park Heights Ave., Liberty Heights, Edmondson and Wilkens Aves. and Washington Rd. Cost between $150,000 and $300,000. P. G. Ligon, ch. engr.

Paving Materials—Detroit, Mich.—J. A. Martin, comr. dept. purchases and supplies, 1302 Real Estate Exch. Bldg., soon lets contract furnishing 16,000 tons more or less ¾ in., 1 in. and 1½ in. crushed stone; also 22,000 cu.yd. more or less bank sand, 1800 cu.yd. more or less river sand and 9000 cu.yd. more or less gravel for concrete.

Seawall—Detroit, Mich.—Windmill Point Land Co., 2258 Penobscot Bldg., having plans prepared filling and grading seawall at Windmill Point. Area to be filled about 200 ft. wide and 4200 ft. long, along shore back of seawall, involving 250,000 to 500,000 cu.yd. hydraulic or floating dredge work. T. M. Campau, 502 Whitney Office Bldg., engr.

Road Oil—Oshkosh, Wis.—Bd. Pub. Wks. soon lets contract for 70,000 gal. road oil.

Bridge Lumber—Washington, Ia.—Washington Co. soon lets contract furnishing 4 carloads of bridge lumber involving 250-3 x 12 x 14, 150-3 x 12 x 16, 50-3 x 12 x 18 and 20-3 x 12 x 20. A. L. Griffith, co. aud.

Channel—Beaumont, Tex.—Jefferson Co. Navigation Bd. plans to deepen channel to Port Arthur. About $273,000.

Memorial Gateway—Denver, Colo.—City and Denver Co. soon receive bids building stone and rein.-con memorial gateway. About $115,000. Marean & Norton, Chamber Commerce Bldg, archts.

Road Machinery—Grand Junction, Colo.—Comrs. Mesa Co. plan to purchase road machinery, to include rock crusher, loading machines, spading machine, road grader, and tractor engine.

Transmision Line, etc.—Fresno, Cal.—See "Industrial Works."

Oil and Gas Pipe Lines—Los Angeles, Cal.—Union Oil Co., Union Oil Bldg., applied to Bd. Supervs. Los Angeles Co., for franchise to build 6.75 mi. oil and gas pipe lines in Lexington and Gallatin Rds., San Gabriel Blvd. and other streets in county.

BIDS DESIRED

Distribution System—South Boston (Boston P. O.), Mass.—Until Feb. 26, by Comn. Waterways & Pub. Lands, Room 473, State House, Boston, furnishing and installing complete and ready for operation, electric distribution systems for electric power and lighting at drydock being built here. F. W. Hodgdon, engr.; advertised in this issue.

Rebuilding Ferry Racks—New York, N. Y.—Until Feb. 26, by J. A. Delaney, comr. plant and structures, rebuilding ferry racks at Manhattan Terminal of Staten Island ferry.

Flooring—Willard, N. Y.—Until Feb. 25, by State Hospital Comn., Capitol, Albany, building tile flooring and base in Pines Bldg., Willard State Hospital; advertised in this issue.

Repairing Fenders—Newark, N. J.—Until Feb. 26, by Bd. Freeholders Essex Co., repairing fenders on Lincoln Highway bridges over Hackensack and over Passaic Rivers. Work involves 500,000 sq.yd. flooring, 100,000 ft. piling, etc. About $15,000.

Road Material—Newark, N. J.—Until Mar. 4, by T. L. Raymond, dir. dept. sts. & pub. impvts., furnishing 400 tons asphalt cement in metal drums. M. R. Sherrard, city engr.

Paving Materials—Detroit, Mich.—Until Feb. 26, by J. A. Martin, comr. dept. purchases and supplies, 1302 Real Estate Exch. Bldg., furnishing 20,000 sq.yd. more or less granite blocks, 5000 ft. more or less granite curb; also 10,000 lin.ft. more or less Elyria, Amherst or Berea curb stone, 3000 lin.ft. more or less, Medina curbstone and retaining stone.

Bridge Materials—Chariton, Ia.—Until Mar. 1, by Comrs. Lucas Co., for furnishing 5900 ft. 12-36 in. metal, c.i. or rein.-con. culvert pipe, 30 tons reinforced steel and 2250 bbls. cement. G. E. Parkin, aud.

Riprap—Shakopee, Minn.—Until Mar. 3, by Comrs. Scott Co., riprapping Minnesota River bank, north of Belle Plaine bridge, State Rd. No. 19. Work involves 4500 sq.ft. matting and 400 cu.yd. riprap. T. H. Walsh, aud.

Road Oil and Tar—Clayton (St. Louis P .O.), Mo.—Until Mar. 5, by St. Louis Co., furnishing 600,000 gal. road oil and refined tar. About $25,000. W. Elbring, highway engr.

Dock—Seattle, Wash.—Until Mar. 3, by Comrs. King Co., building Quartermaster Harbor dock creosoted piling with open frame freight shed. A. Humes, co. engr.

Piles—Blythe, Cal.—Until Mar. 1, by Palo Verde Joint Levee Dist., furnishing and driving 400 round cedar piles, 50 and 60 ft. lengths, to form jetties and revetments on 4½ mi. Colorado River; also supplying and building timber bridge work over trestles, and timber support frame for brush revetments. District will furnish barge equipped with hoist, pile driver and jet rig; contractor must furnish other equipment, materials and labor. J. C. Allison, Calexico, engr.

Miscellaneous Supplies—Hamilton, Ont.—Until Mar. 3, by city, supplying broken stone and screenings, limestone dust, asphalt, sand, sand and gravel, vitr. brick, creosoted wooden blocks, lumber, sewer pipe, sewer brick, lime, castings (ordinary and special), iron pipe, hydrants, valves, extension boxes, hardware, lead pipe, pig lead, road oil, gasoline, concrete and garbage duck covers, rubber boots, rubber hose, sectional sweepers, brass work, including ordinary and special bronze castings for water department. S. H. Kent, city clk.; advertised in this issue.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Asphalt, etc.—Brooklyn, N. Y.—E. Riegelmann, boro. pres., received bids, Feb. 11, furnishing and delivering 240,000 gal. refined asphalt in liquid form and 50 tons refined asphalt in containing packages, from Warner-Quinlan Asphalt Co., 79 Wall St., New York City, $16,678; Standard Oil Co., 26 Bway., New York City, $17,712; 50,000 asphalt paving blocks, with depth of 2½ in., from Hastings Paving Co., 25 Broad St., New York City, $3845; 40,000 grade 1 paving blocks, from J. Leopold & Co., Woolworth Bldg., New York City, $5000; Hildred Granite Co., 150 Nassau St., New York City, $5120; Rockport Granite Co., 13 Park Row, New York City, $5200; 40,000 wood paving blocks, from J. Leopold & Co., Woolworth Bldg., New York City, $2230; Amer. Creosoting Co., 17 Battery Pl., New York City, $2548; E. E. Buehler Co., $2760; 6000 bbl. Portland cement, from L. Finklestein, 1071 Lafayette St., $16,800; J. A. McCarthy, 551 Exterior St., New York City, $20,700; E. E. Buehler, $21,600; 1500 tons limestone, from New York Trap Rock Co., 17 Battery Pl., New York City, $12,975; R. N. Soper, 39 Cortland St., New York City, $13,800; 10,000 sq.yd. bluestone flagging, 2 in. thick, from J. B. Johnson Cut Stone Co., 341 Butler St., $2020; E. McMullin, $2400; J. J. Guinan, 2314 Gravesend Ave., $2400; 800 cu.yd. paving gravel, from Newtown Supply Co., Varick Ave., $2537; Ames Bldg. Material Co., Inc., Neptune Ave., $2596; J. Jennings, 3927 Ferris St., $3800; 250 tons paving pitch, from Barrett Co., 17 Battery Pl., New York City, $4750; 7000 cu.yd. asphalt sand, from Ames Bldg. Material Co., Neptune Ave., $10,290; Newtown Supply Co., Varick Ave., $11,900; 4000 cu. yd. paving sand, from J. J. Quinan, 1633 Shore Rd., $5320; Newtown Supply Co., Varick Ave., $5400; F. J. Gallagher, 490 Park Pl., $6120; 3000 cu.yd. 1½ in. broken stone, from Calvin-Thompson Co., $7200; New York Trap Rock Co., 17 Battery Pl., New York City, $7350; 3000 cu.yd. binder stone, from J. J. Quinan, 1633 Shore Rd., $8370; Newtown Supply Co., Varick Ave., $8640; New York Trap Rock Co., 17 Battery Pl., New York City, $8850. Noted Feb. 6.

Refrigeration Equipment—Iroquois, N. Y.—W. Hunt, pres. bd. mgrs., Thomas Indian School, received bids Feb. 13, installing equipment in school, here, from Mayer Ice Machine & Eng. Co., 315 Grant Ave., Jersey City, N. J., $9400; Mollenberg-Betz Machine Co., 110 Washington St., Buffalo, $9558; Wegner Machine Co., 67 Mississippi St., Buffalo, $9930. Noted Jan. 30.

★**Blanket—New York, N. Y.**—Pub. Serv. Comn., 49 Lafayette St., let contract building concrete and rip rap stone blanket over portion of 7th Lexington Ave. Rapid Transit R.R. at old slip, Route No. 28, to Morris & Cummings Dredging Co., 17 State St., $250,950. Noted Jan. 2.

Grand Stands—New York, N. Y.—Mayor's Com. received lowest 3 bids, Feb. 11, building and removing observation stands, from G. J. Koch, Inc., 1431 Bway., $74,000; Exposition Constr. & Decorating Co., 150 Nassau St., $82,500; J. Kelly, 256 West 22nd St., $93,750.

Boilers, Piping, etc.—Utica, N. Y.—State Hospital Comn., Capitol, Albany, received bids, Feb. 11, installing boilers in power plant at Utica State Hospital, from Gillis & Geoghegan, 537 West B'way, New York City, $42,990; McNaull Boiler Wks., 983-1015 Front St., Toledo, O., $58,120; E. Keeler Co., 50 Church St., New York City, $67,920; heating work, from W. B. Armstrong Co., Fulton St., Albany, $39,640; Almiral Co., Inc., 1 Dominick St., New York City, $41,975; H. C. Peterson Co., 20 Oneida St., $44,963. Noted Jan. 23.

★**Fenders—Lyndhurst, N. J.**—Delaware, Lackawanna & Western R.R., 90 West St., New York City, let contract building bridge fenders over Passaic River here, to Linde & Griffith Co., 4th Ave., Newark, $25,000.

★**Piers—Laceyville, Pa.**—See "Bridges."

★**Pier—Phila., Pa.**—G. Webster, dir. dept. wharves, docks and ferries, 550 Bourse Bldg., let contract for building with appurtenant work, Kenilworth St. Pier No. 30, South Delaware Wharves, to F. W. Mark Constr Co., Finance Bldg., cost $908,420. Noted Jan. 23.

★**Pier and Shed—Canton (Baltimore P. O.), Md.**—Standard Oil Co., Pier 2, Pratt St., Baltimore, let contract building 60 x 530 ft. rein.-con. pier on pre-cast concrete piles and 1 story concrete shed, at exporting plant, 2nd and Clinton Sts., here, to Raymond Concrete Pile Co., 922 Munsey Bldg., Baltimore. About $400,000.

Dam—Winston-Salem, N. C.—City received lowest 3 bids building concrete dam across Salem Creek, from Preston, Tverstreet & Guy, Bedford City, Va., $70,570. C. A. Heilig, Winston-Salem, $102,960; E. H. Clement & Co., Commercial Bank Bldg., Charlotte ,$105,450. J. Firth, city engr.

★**Sea Wall—Miami, Fla.**—See "Streets and Roads."

★**Road Oil—Oshkosh, Wis.**—City let contract for 70,000 gal. road oil to Standard Oil & Refining Co., Independence, Kan.

★**Retaining Wall—St. Louis, Mo.**—United Railways, 39th St. and Park Ave., will build concrete retaining wall at 3831 Park Ave. Work will be done by day labor. About $12,000.

Pipe Drain—Santa Barbara, Cal.—City received bids furnishing and placing 1600 lin.ft. 36-in. rein.-con. drain pipe at Gibralter Dam; lowest 3 were, Bent Bros. & Kraner, 825 Central Bldg., Los Angeles, $11,378; Hunter & Mattson, Los Angeles, $12,435; E. H. Hunt, Santa Barbara, $14,200.

★**Wharf, etc.—Esquimalt, B. C.**—Dept. Pub. Wks. let contract reconstructing dock yard and wharf, to McDonald & Watson, Victoria. About $52,924. Work involves 30,000 lin.ft. wood piling, 250,000 ft. timber and 42,000 creosoted draft pins and bolts. Noted Jan. 16.